

Data File : VV012932.D
Acq On : 23 Sep 2019 11:55
Operator : SY/MD
Sample : VSTD10005
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

Quant Time: Sep 23 12:17:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis
QLast Update : Mon Sep 23 11:20:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	800058	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	808104	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	440344	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	1128436	99.62	ug/L	0.00
7) Chloroethane-d5	1.58	69	904532	96.97	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	1866663	98.28	ug/L	0.00
20) 2-Butanone-d5	3.94	46	937792	242.93	ug/L	0.00
24) Chloroform-d	4.40	84	2072184	108.95	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	1216222	114.09	ug/L	0.00
29) Benzene-d6	5.10	84	4250097	103.34	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.11	67	1350959	107.59	ug/L	0.00
37) Toluene-d8	7.36	98	4042962	108.26	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	634306	121.36	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	695915	290.05	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	1340736	115.88	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	1639439	108.15	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	946883	106.926	ug/L	99
3) Chloromethane	1.25	50	1127785	97.577	ug/L	100
5) Vinyl chloride	1.32	62	1122824	97.722	ug/L	99
6) Bromomethane	1.54	94	706593	100.935	ug/L	100
8) Chloroethane	1.60	64	660635	91.880	ug/L	99
9) Trichlorofluoromethane	1.77	101	1400642	91.932	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	923268	96.202	ug/L	98
12) 1,1-Dichloroethene	2.14	96	866785	95.713	ug/L	92
13) Acetone	2.21	43	885483	177.734	ug/L	100
14) Carbon disulfide	2.32	76	2868932	99.539	ug/L	99
15) Methyl Acetate	2.46	43	744762	112.202	ug/L	99
16) Methylene chloride	2.53	84	1121517	61.790	ug/L	99
17) Methyl tert-butyl Ether	2.80	73	2876501	116.393	ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	1056289	100.003	ug/L	99
19) 1,1-Dichloroethane	3.23	63	1924515	101.129	ug/L	100
21) 2-Butanone	4.03	43	1159746	203.258	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	1208596	108.050	ug/L	99
23) Bromochloromethane	4.30	128	589197	111.859	ug/L	100
25) Chloroform	4.42	83	1985372	103.301	ug/L	100
27) 1,2-Dichloroethane	5.18	62	1449094	108.121	ug/L	100
30) Cyclohexane	4.72	56	1832595	97.661	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	1572997	95.915	ug/L	98
32) Carbon tetrachloride	4.87	117	1417302	96.631	ug/L	100
34) Benzene	5.14	78	4424404	96.981	ug/L	100
35) Trichloroethene	5.96	95	1182479	95.306	ug/L	100
36) Methylcyclohexane	6.17	83	1993160	98.629	ug/L	99
40) 1,2-Dichloropropane	6.22	63	1175838	103.308	ug/L	99
41) Bromodichloromethane	6.55	83	1527440	106.050	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	1932942	114.115	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	2151100	231.435	ug/L	98

Data File : VV012932.D
Acq On : 23 Sep 2019 11:55
Operator : SY/MD
Sample : VSTD10005
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

Quant Time: Sep 23 12:17:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis
QLast Update : Mon Sep 23 11:20:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	4829375	100.135	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	1619397	116.162	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	996762	106.447	ug/L	99
47) Tetrachloroethene	8.02	164	985976	97.349	ug/L	100
49) 2-Hexanone	8.18	43	1685964	223.150	ug/L	98
50) Dibromochloromethane	8.29	129	1201954	113.198	ug/L	99
51) 1,2-Dibromoethane	8.39	107	1027432	111.332	ug/L	99
52) Chlorobenzene	8.92	112	3233565	100.191	ug/L	99
53) Ethylbenzene	9.05	91	5423165	101.362	ug/L	98
54) m,p-Xylene	9.18	106	2124585	104.998	ug/L	97
55) o-xylene	9.59	106	2085394	109.367	ug/L	96
56) Styrene	9.60	104	3661875	110.806	ug/L	99
57) Isopropylbenzene	9.97	105	5330163	104.701	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	1309101	110.503	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	1033376	108.132	ug/L	100
62) Bromoform	9.77	173	809561	116.435	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	2712531	100.691	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	2732221	97.639	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	2594598	102.468	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	244007	111.893	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	2213733	103.555	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	2023777	109.139	ug/L	100
69) Naphthalene	13.55	128	4502645	119.966	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	1923969	106.711	ug/L	99

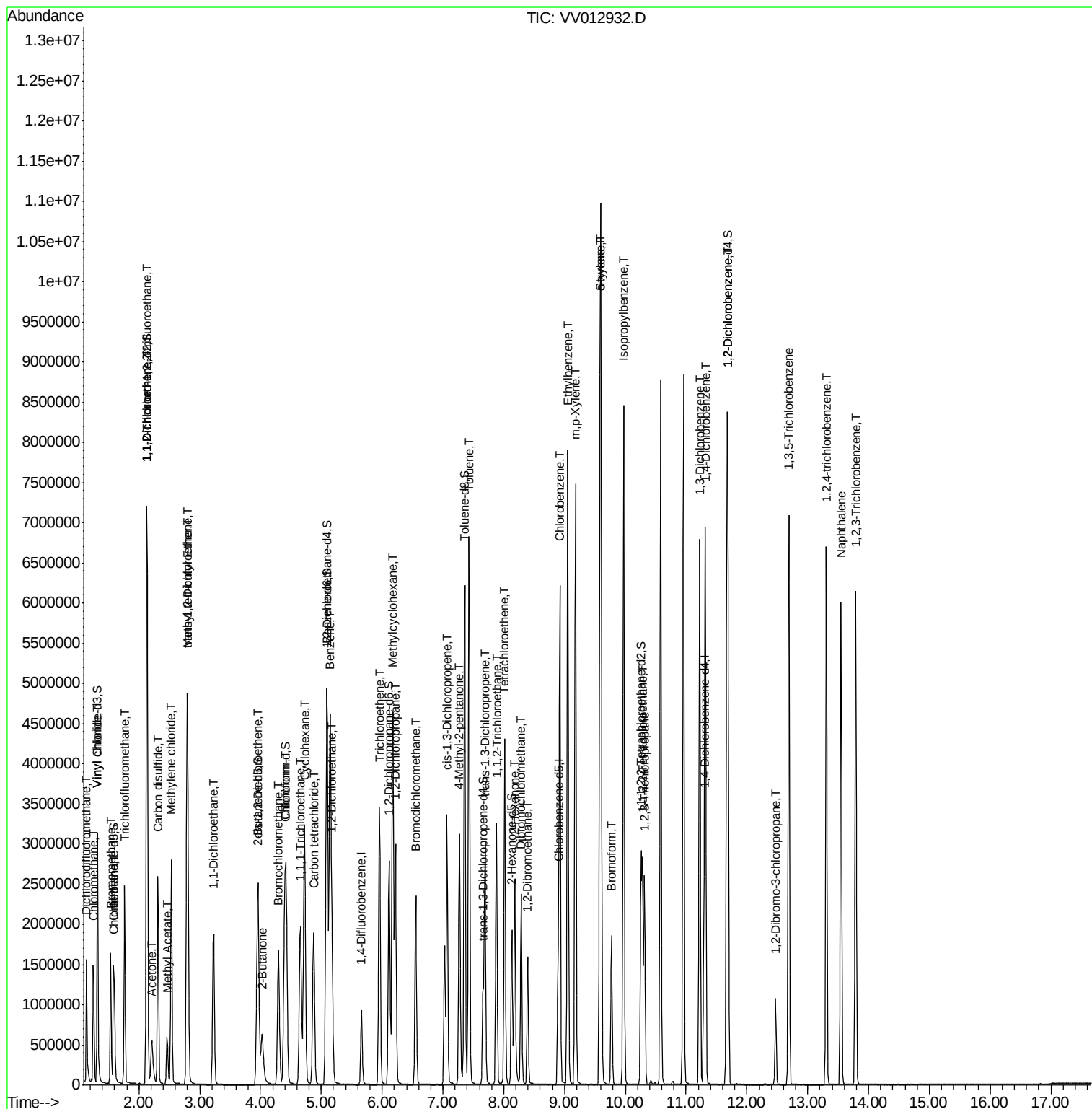
(#) = qualifier out of range (m) = manual integration (+) = signals summed

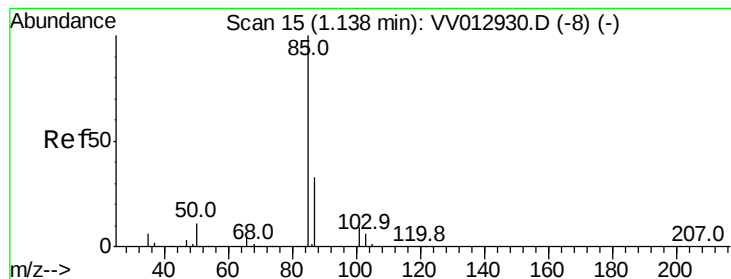
Data File : VV012932.D

```
Acq On      : 23 Sep 2019   11:55
Operator    : SY/MD
Sample      : VSTD10005
Misc        : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial    : 1      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

Quant Time: Sep 23 12:17:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis
QLast Update : Mon Sep 23 11:20:02 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 106.926 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012932.D

Acq: 23 Sep 2019 11:55

Instrument :

MSVOA_V

ClientSampleId :

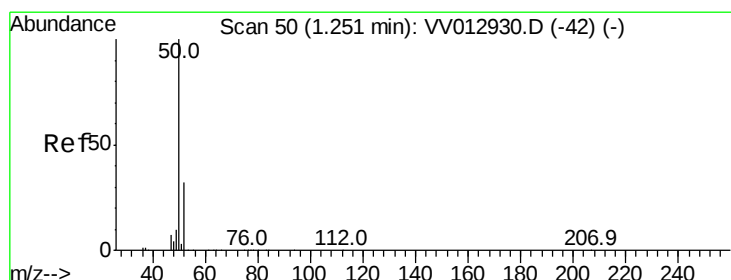
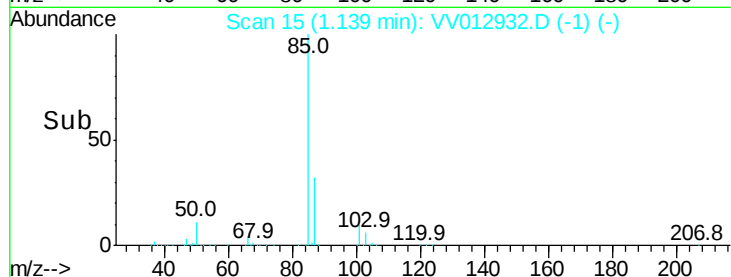
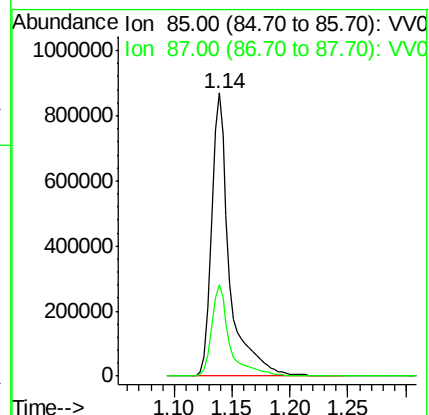
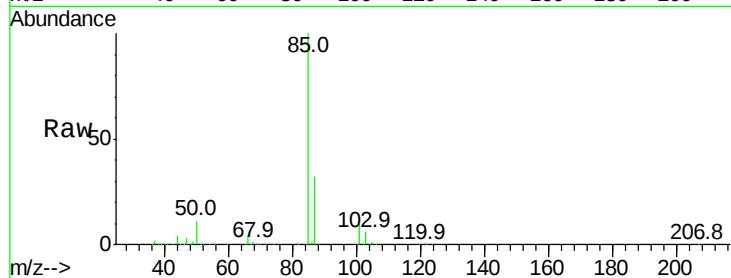
VSTD10065

Tgt Ion: 85 Resp: 946883

Ion Ratio Lower Upper

85 100

87 32.4 23.2 43.0



#3

Chloromethane

Concen: 97.577 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV012932.D

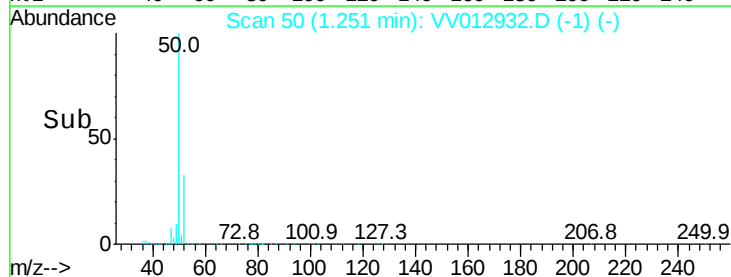
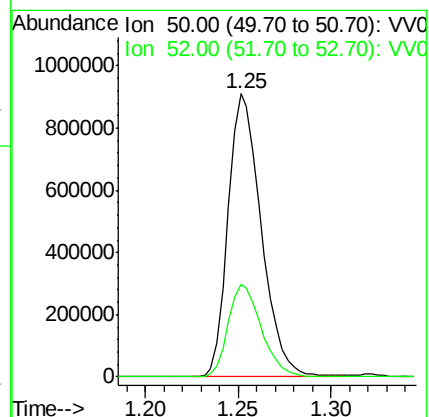
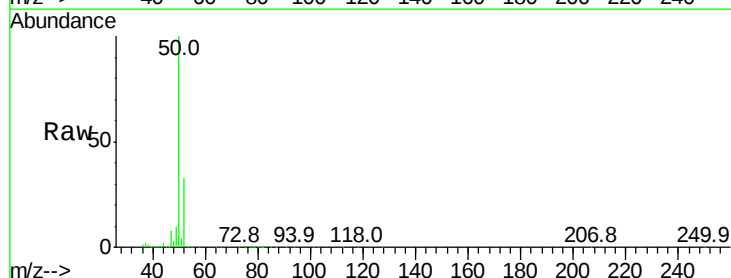
Acq: 23 Sep 2019 11:55

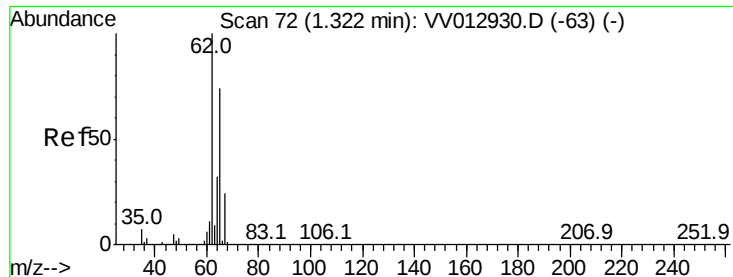
Tgt Ion: 50 Resp: 1127785

Ion Ratio Lower Upper

50 100

52 32.5 22.7 42.1





#5

Vinyl chloride

Concen: 97.722 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012932.D

Acq: 23 Sep 2019 11:55

Instrument :

MSVOA_V

ClientSampleId :

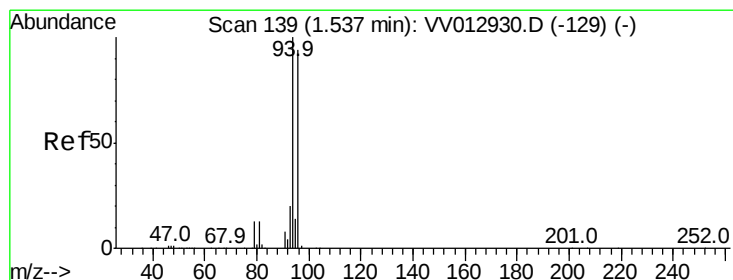
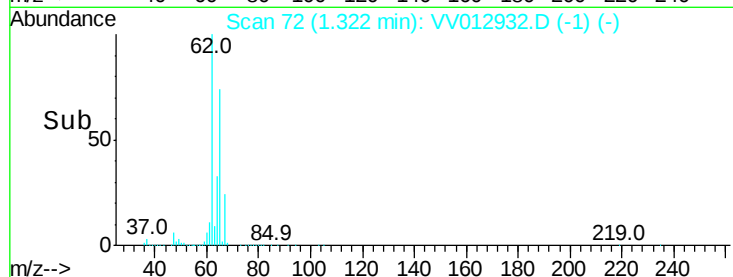
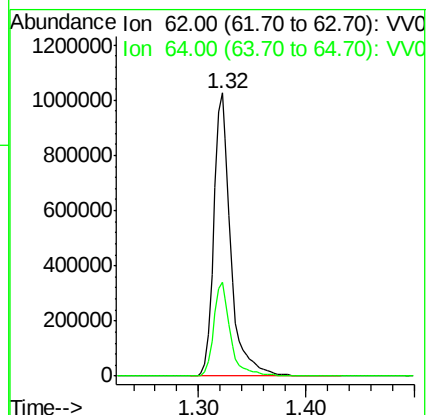
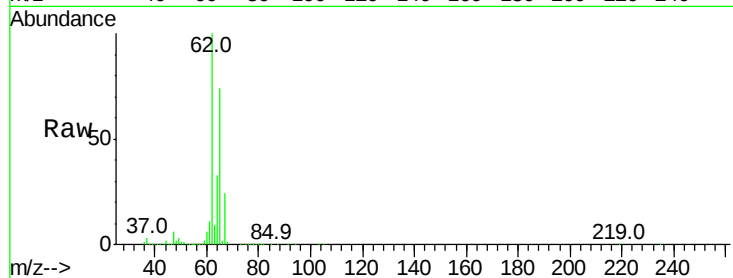
VSTD10065

Tgt Ion: 62 Resp: 1122824

Ion Ratio Lower Upper

62 100

64 33.1 22.7 42.1



#6

Bromomethane

Concen: 100.935 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012932.D

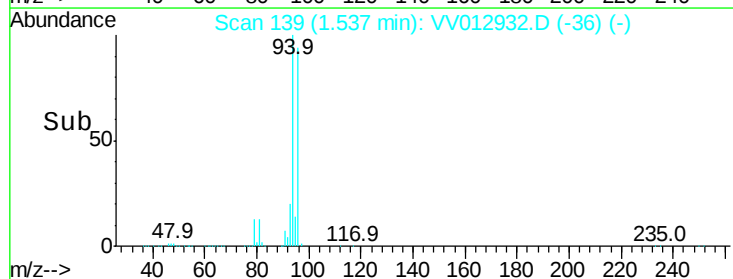
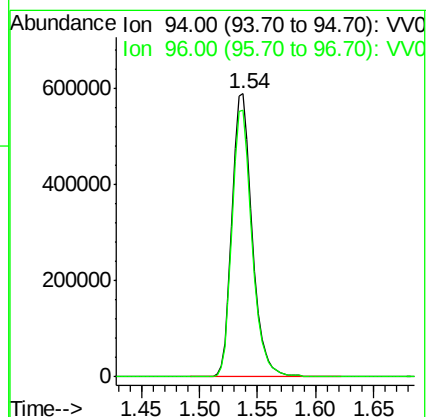
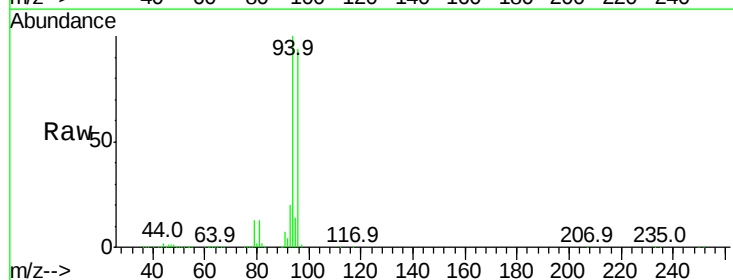
Acq: 23 Sep 2019 11:55

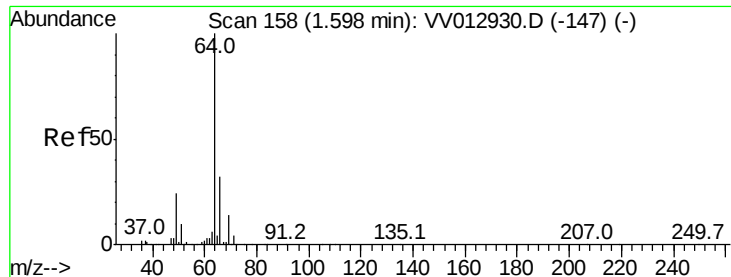
Tgt Ion: 94 Resp: 706593

Ion Ratio Lower Upper

94 100

96 93.6 9.4 177.8





#8

Chloroethane

Concen: 91.880 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV012932.D

Acq: 23 Sep 2019 11:55

Instrument :

MSVOA_V

ClientSampleId :

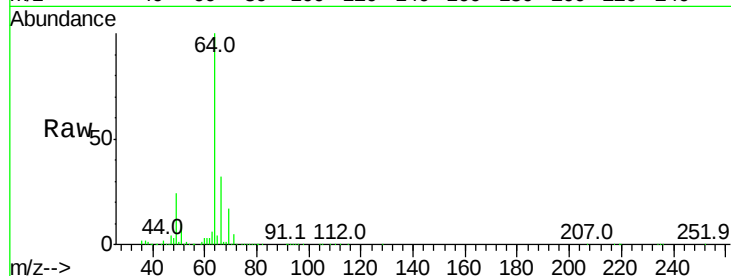
VSTD10065

Tgt Ion: 64 Resp: 660635

Ion Ratio Lower Upper

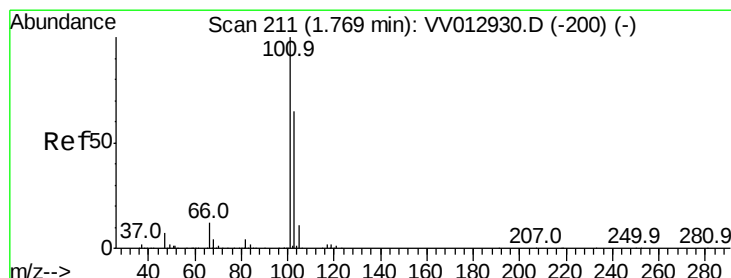
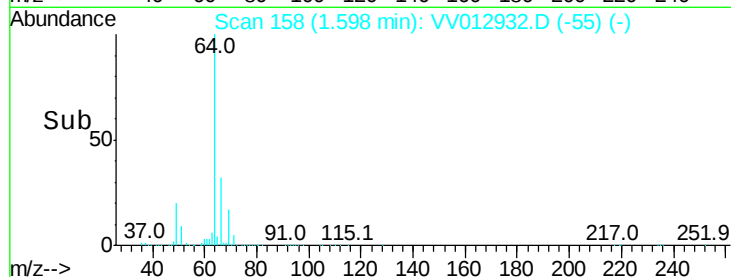
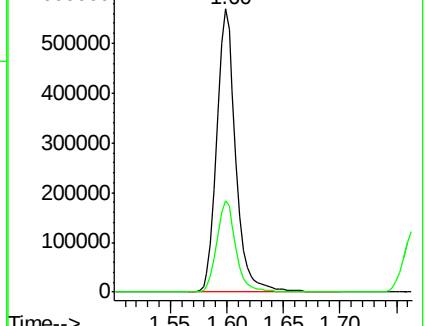
64 100

66 32.3 22.2 41.2



Abundance Ion 64.00 (63.70 to 64.70): VV012930.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV012930.D (-147) (-)



#9

Trichlorofluoromethane

Concen: 91.932 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV012932.D

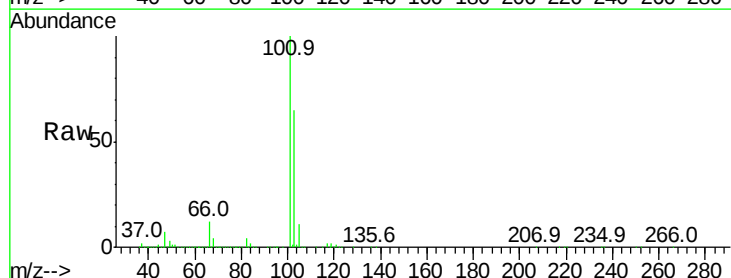
Acq: 23 Sep 2019 11:55

Tgt Ion: 101 Resp: 1400642

Ion Ratio Lower Upper

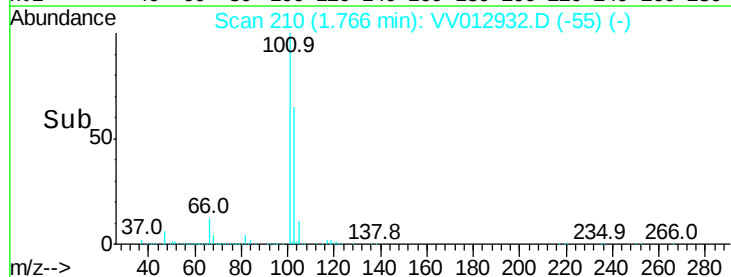
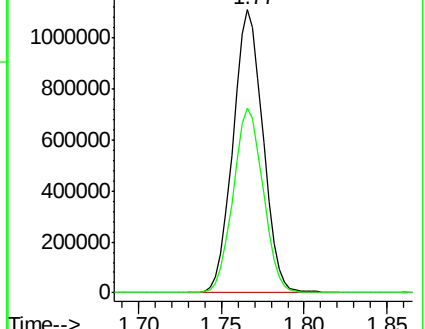
101 100

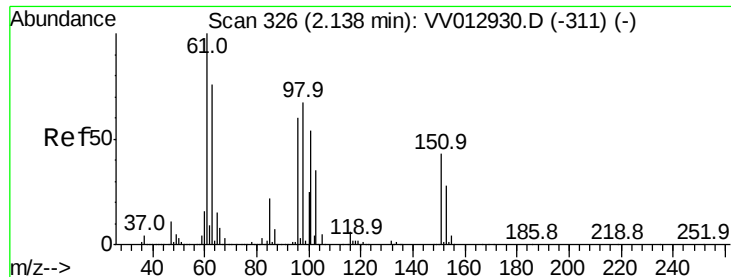
103 65.4 45.1 83.9



Abundance Ion 101.00 (100.70 to 101.70): VV012930.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV012930.D (-200) (-)





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 96.202 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012932.D

Acq: 23 Sep 2019 11:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

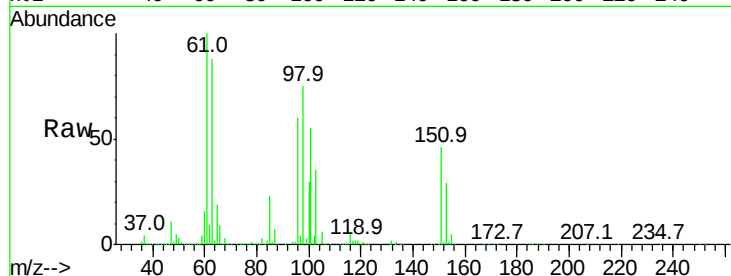
Tgt Ion: 101 Resp: 923268

Ion Ratio Lower Upper

101 100

85 41.0 32.6 49.0

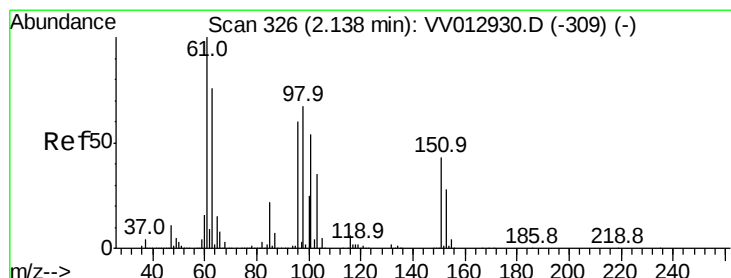
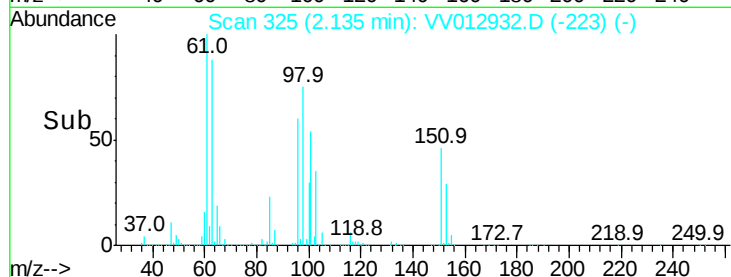
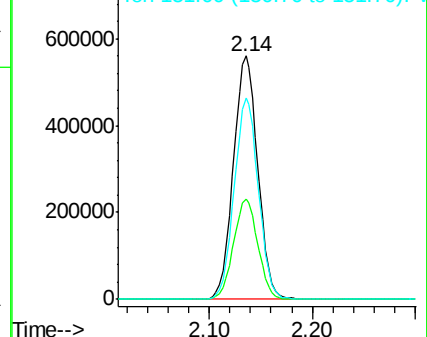
151 82.2 64.2 96.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 95.713 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012932.D

Acq: 23 Sep 2019 11:55

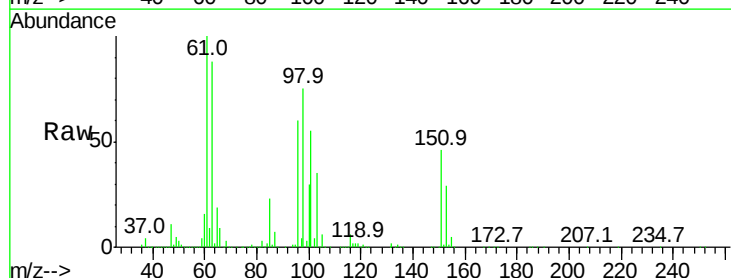
Tgt Ion: 96 Resp: 866785

Ion Ratio Lower Upper

96 100

61 166.6 117.2 217.8

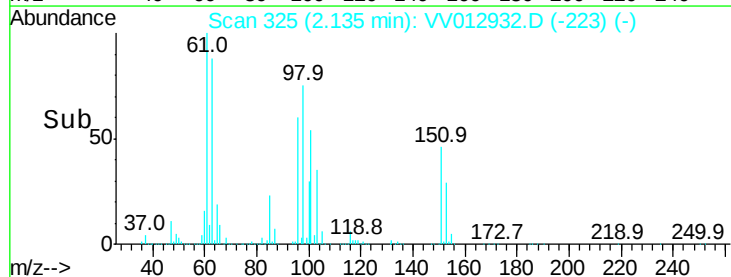
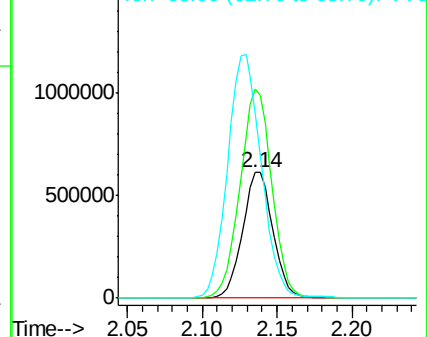
63 147.3 89.6 166.4

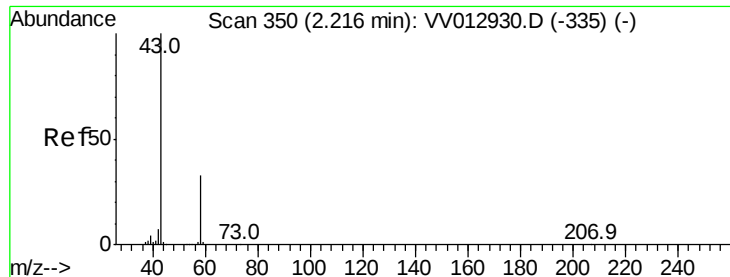


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 177.734 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.00 min

Lab File: VV012932.D

Acq: 23 Sep 2019 11:55

Instrument :

MSVOA_V

ClientSampleId :

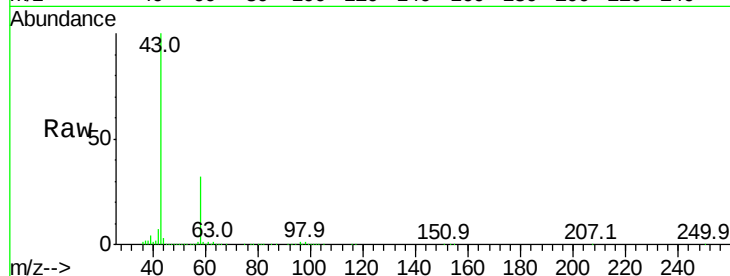
VSTD10065

Tgt Ion: 43 Resp: 885483

Ion Ratio Lower Upper

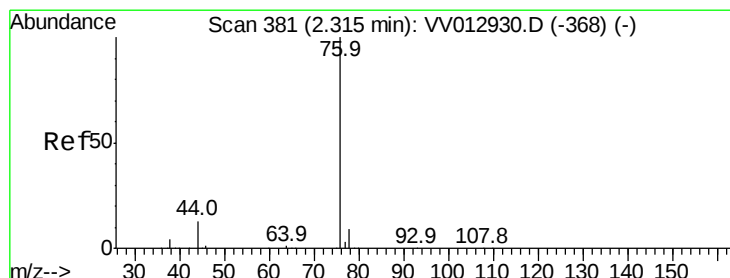
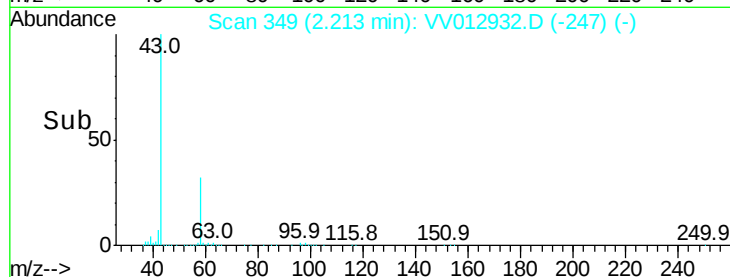
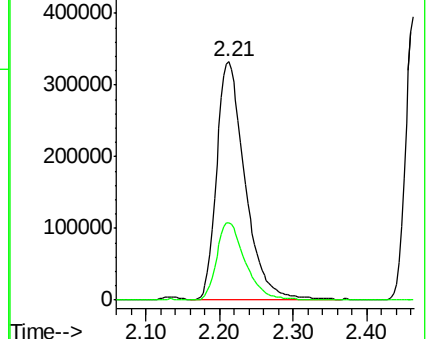
43 100

58 32.5 0.0 65.0



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 99.539 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012932.D

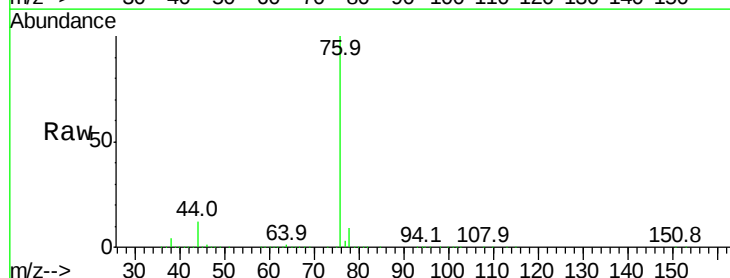
Acq: 23 Sep 2019 11:55

Tgt Ion: 76 Resp: 2868932

Ion Ratio Lower Upper

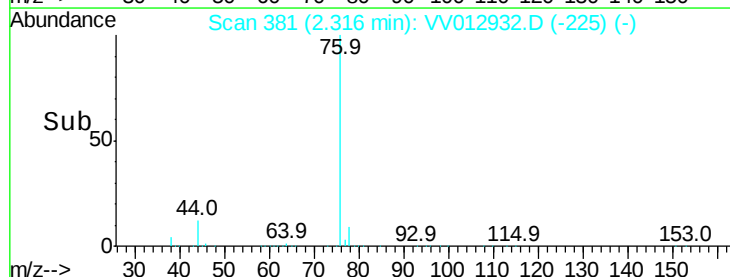
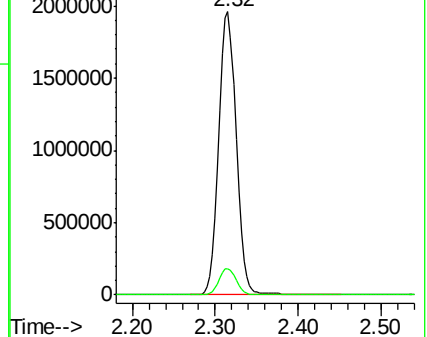
76 100

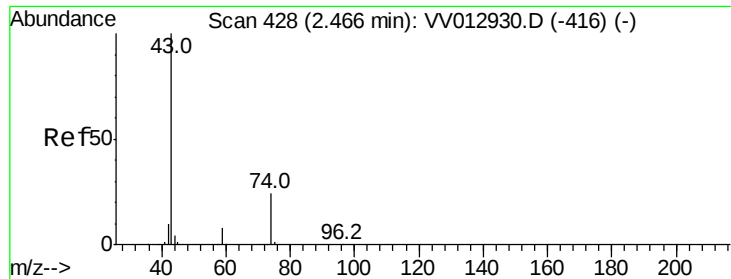
78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0





#15

Methyl Acetate

Concen: 112.202 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VV012932.D

Acq: 23 Sep 2019 11:55

Instrument :

MSVOA_V

ClientSampleId :

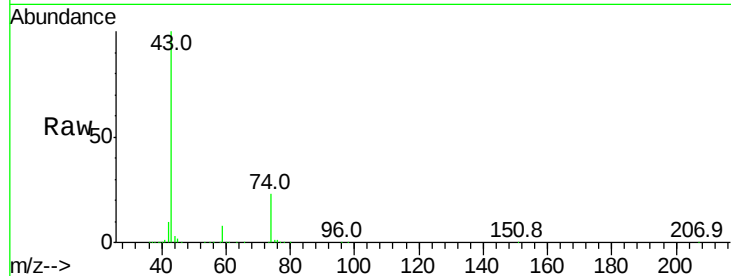
VSTD10065

Tgt Ion: 43 Resp: 744762

Ion Ratio Lower Upper

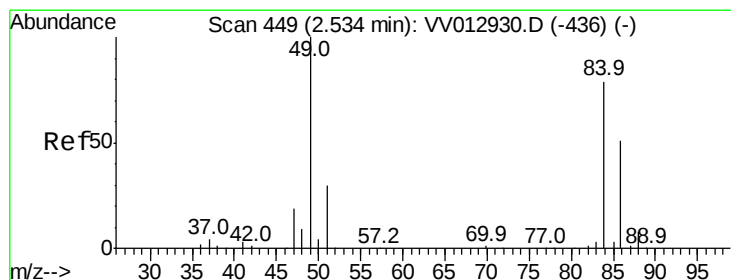
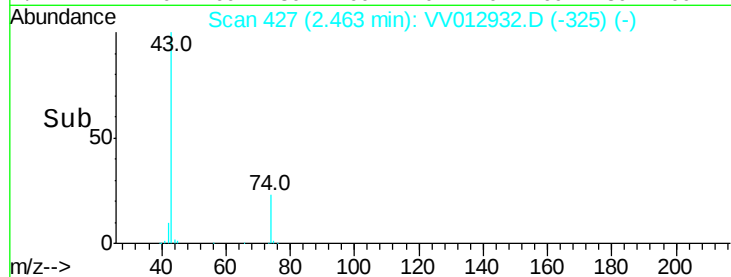
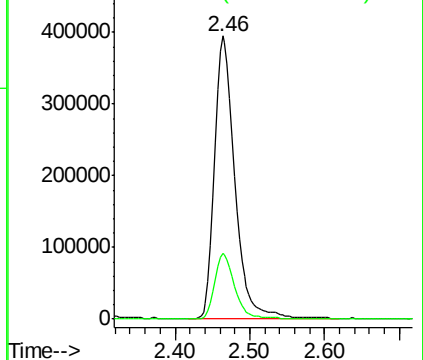
43 100

74 23.1 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 61.790 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV012932.D

Acq: 23 Sep 2019 11:55

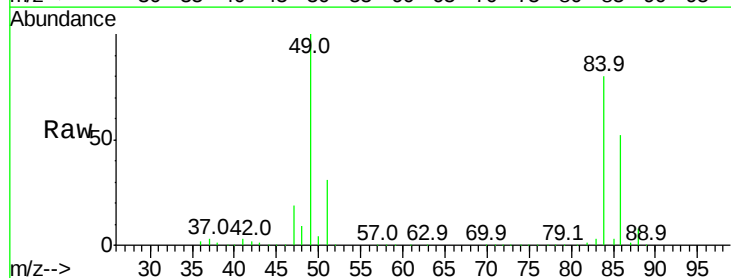
Tgt Ion: 84 Resp: 1121517

Ion Ratio Lower Upper

84 100

49 125.5 88.3 164.1

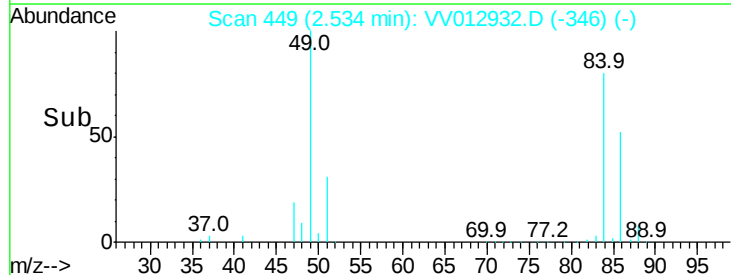
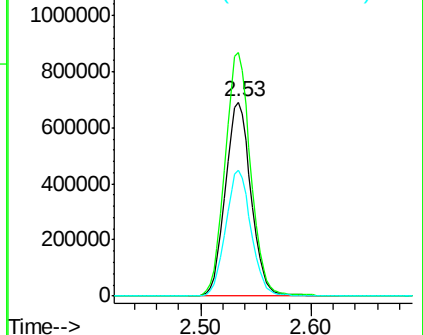
86 64.9 44.9 83.3

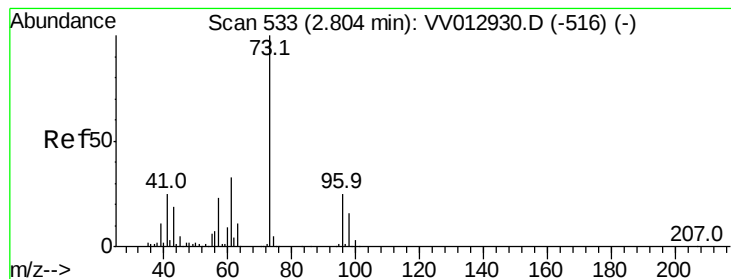


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

Ion 86.00 (85.70 to 86.70): VV0





#17

Methyl tert-butyl Ether

Concen: 116.393 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV012932.D

Acq: 23 Sep 2019 11:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

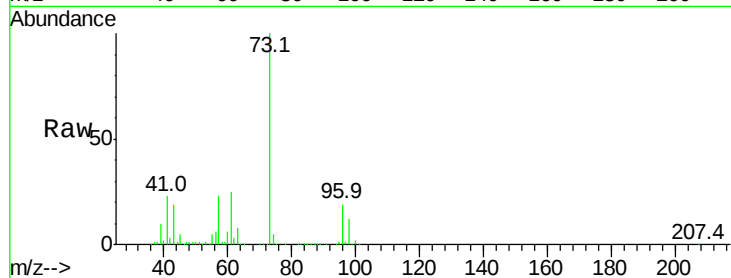
Tgt Ion: 73 Resp: 2876501

Ion Ratio Lower Upper

73 100

43 18.9 15.0 22.6

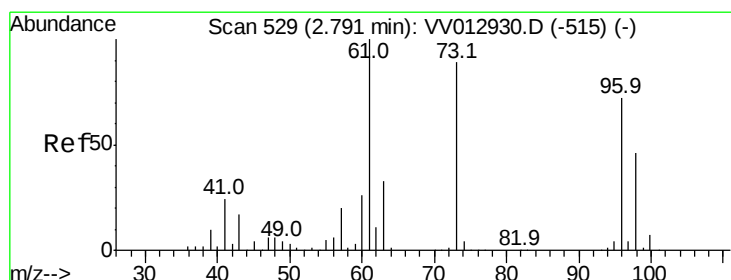
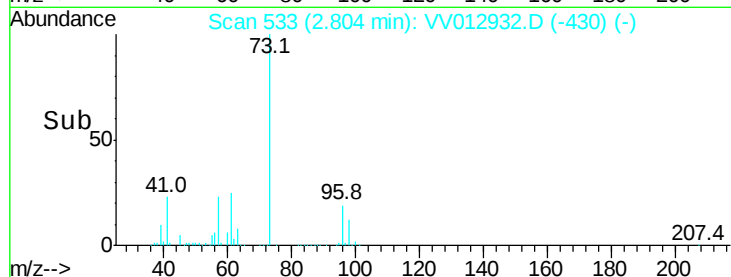
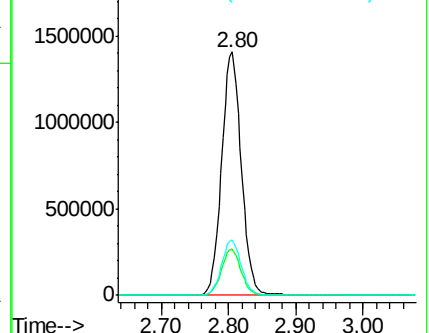
57 22.7 18.3 27.5



Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0



#18

trans-1,2-Dichloroethene

Concen: 100.003 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV012932.D

Acq: 23 Sep 2019 11:55

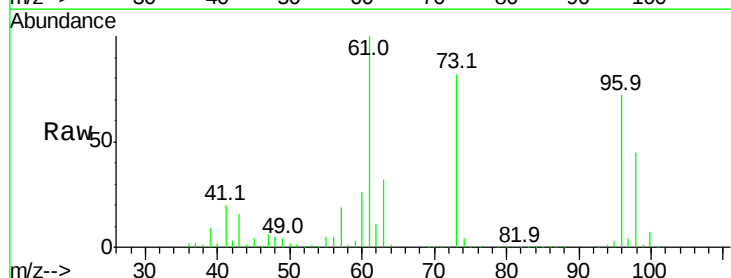
Tgt Ion: 96 Resp: 1056289

Ion Ratio Lower Upper

96 100

61 139.2 96.8 179.8

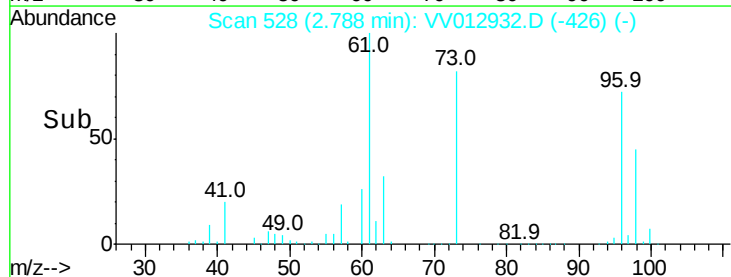
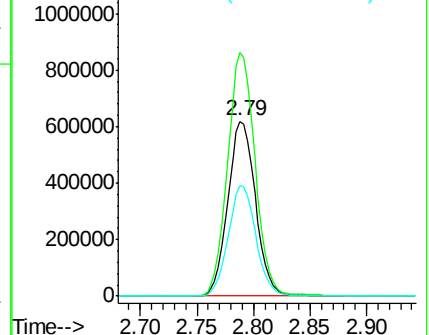
98 63.1 44.8 83.2

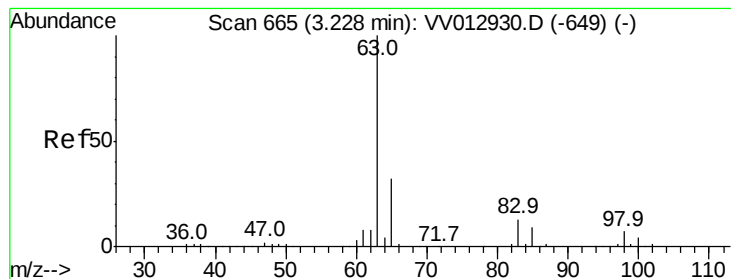


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#19

1,1-Dichloroethane

Concen: 101.129 ug/L

RT: 3.23 min Scan# 664

Delta R.T. -0.00 min

Lab File: VV012932.D

Acq: 23 Sep 2019 11:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

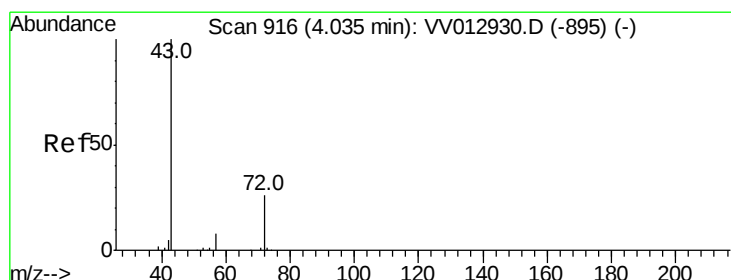
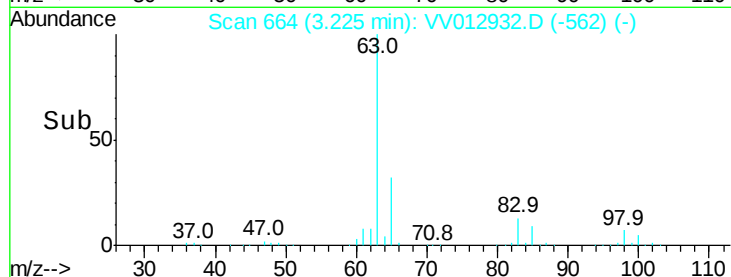
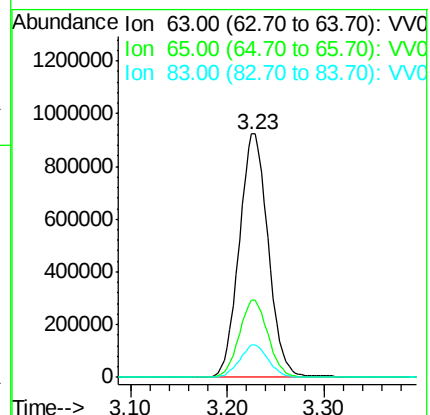
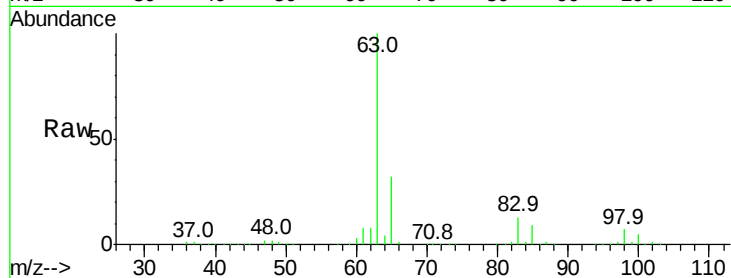
Tgt Ion: 63 Resp: 1924515

Ion Ratio Lower Upper

63 100

65 31.5 22.0 41.0

83 13.2 9.2 17.0



#21

2-Butanone

Concen: 203.258 ug/L

RT: 4.03 min Scan# 913

Delta R.T. -0.01 min

Lab File: VV012932.D

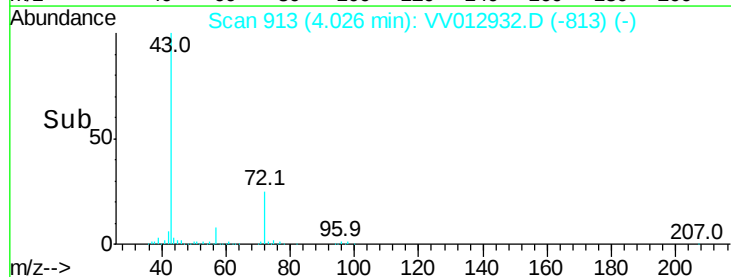
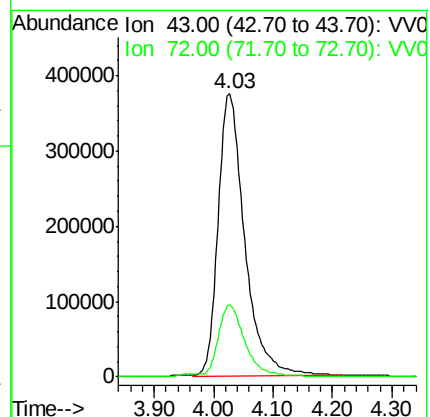
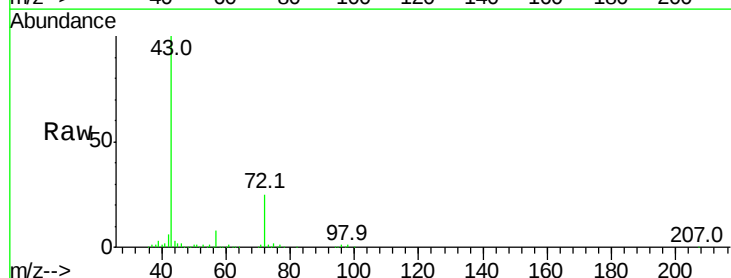
Acq: 23 Sep 2019 11:55

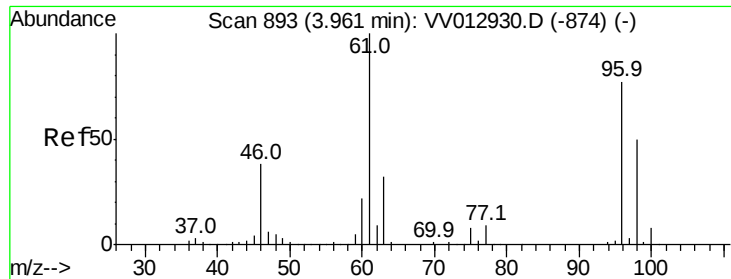
Tgt Ion: 43 Resp: 1159746

Ion Ratio Lower Upper

43 100

72 24.7 11.9 35.9



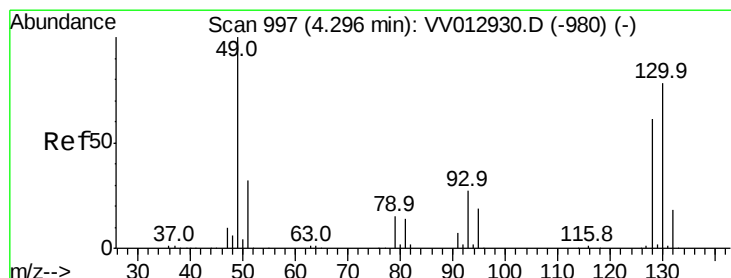
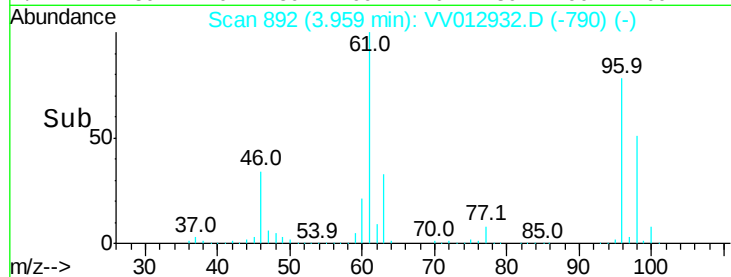
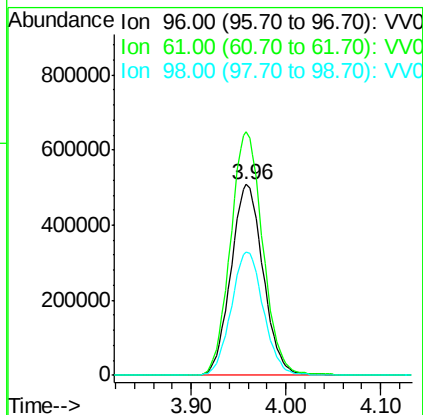
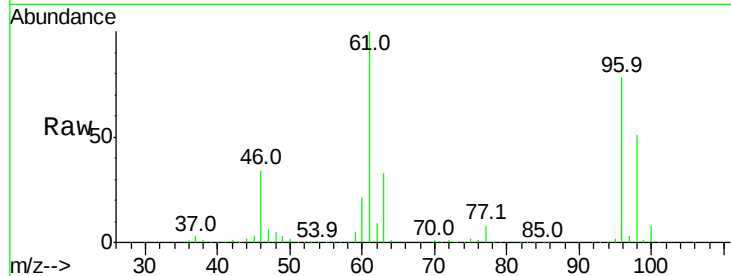


#22

cis-1,2-Dichloroethene
 Concen: 108.050 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV012932.D
 Acq: 23 Sep 2019 11:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

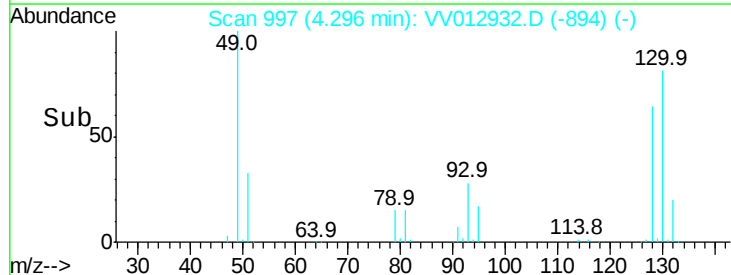
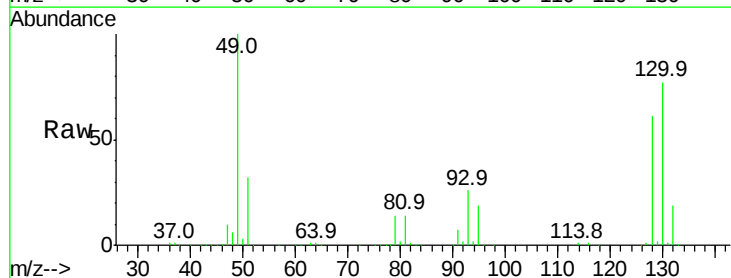
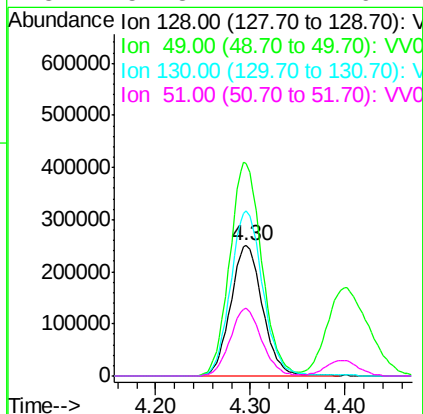
Tgt Ion: 96 Resp: 1208596
 Ion Ratio Lower Upper
 96 100
 61 127.6 90.9 168.7
 98 64.6 45.6 84.6

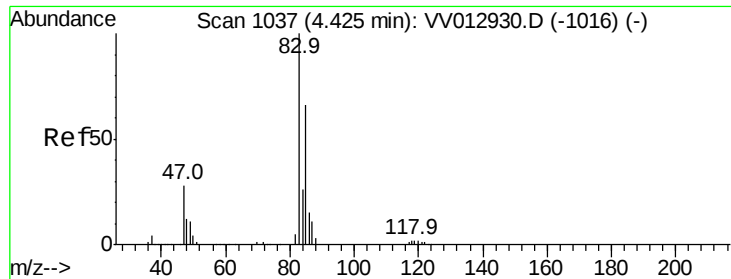


#23

Bromochloromethane
 Concen: 111.859 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV012932.D
 Acq: 23 Sep 2019 11:55

Tgt Ion: 128 Resp: 589197
 Ion Ratio Lower Upper
 128 100
 49 163.2 114.4 212.6
 130 126.2 88.5 164.4
 51 51.8 41.4 62.2





#25

Chloroform

Concen: 103.301 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV012932.D

Acq: 23 Sep 2019 11:55

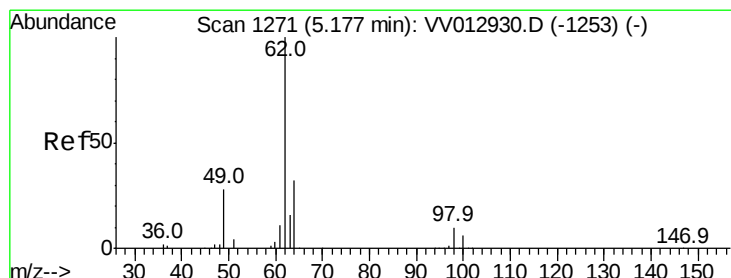
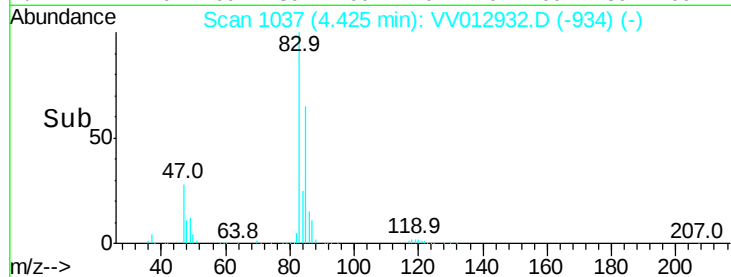
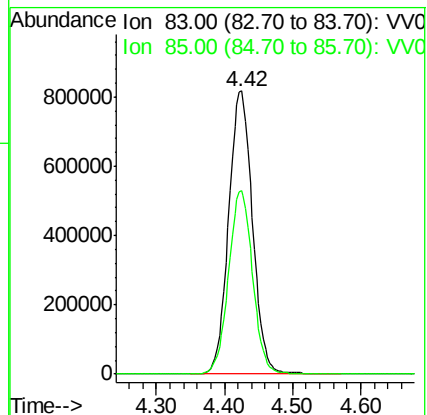
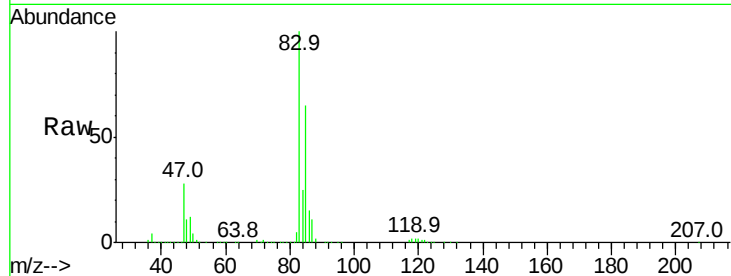
Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

Tgt Ion: 83 Resp: 1985372

Ion Ratio Lower Upper

83 100

85 65.3 45.8 85.0



#27

1,2-Dichloroethane

Concen: 108.121 ug/L

RT: 5.18 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VV012932.D

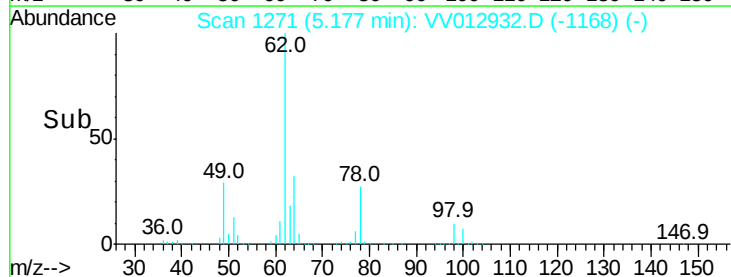
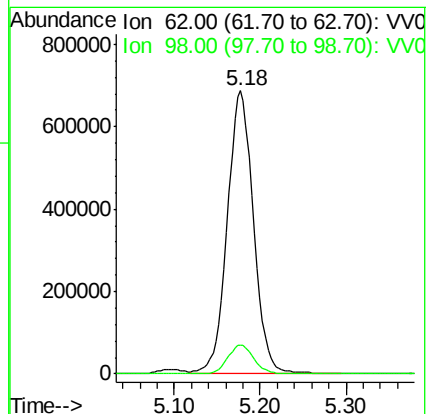
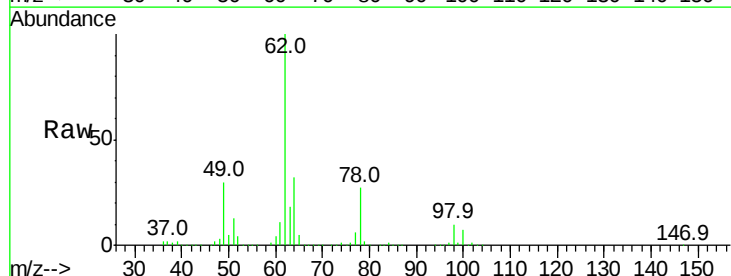
Acq: 23 Sep 2019 11:55

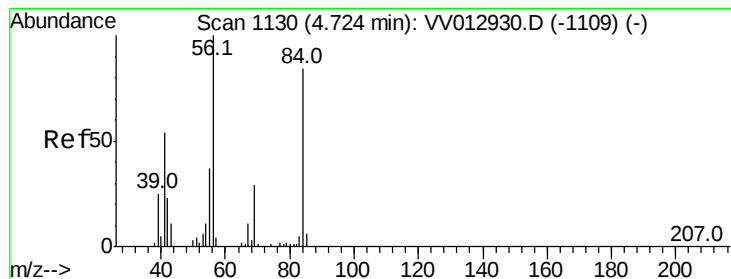
Tgt Ion: 62 Resp: 1449094

Ion Ratio Lower Upper

62 100

98 10.3 8.2 12.4





#30

Cyclohexane

Concen: 97.661 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV012932.D

Acq: 23 Sep 2019 11:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

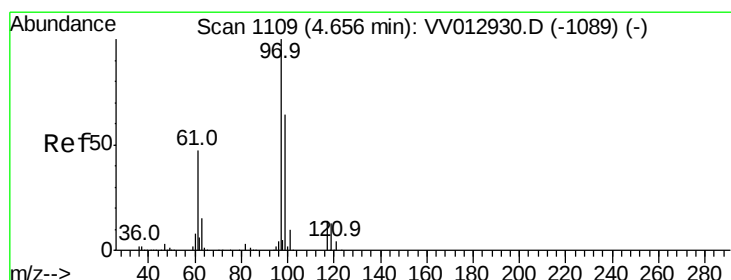
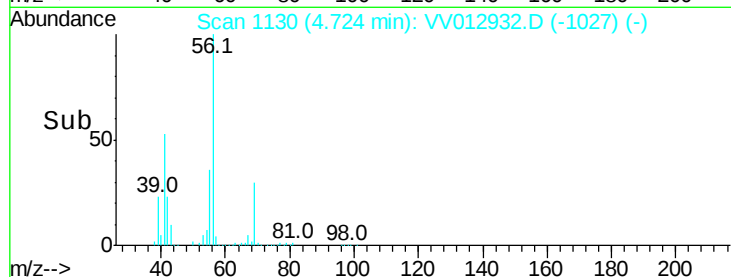
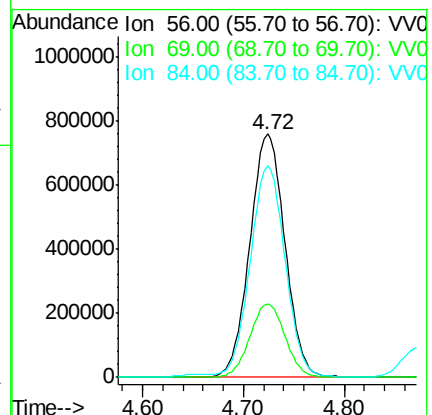
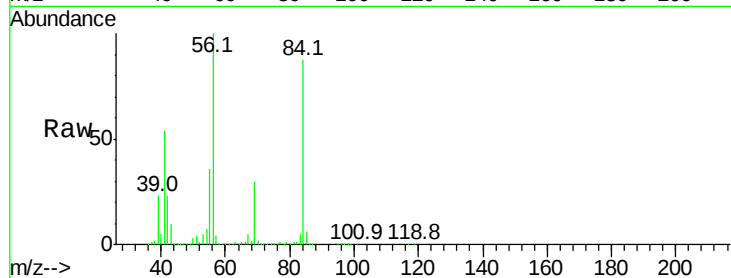
Tgt Ion: 56 Resp: 1832595

Ion Ratio Lower Upper

56 100

69 30.2 23.8 35.8

84 86.0 68.4 102.6



#31

1,1,1-Trichloroethane

Concen: 95.915 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV012932.D

Acq: 23 Sep 2019 11:55

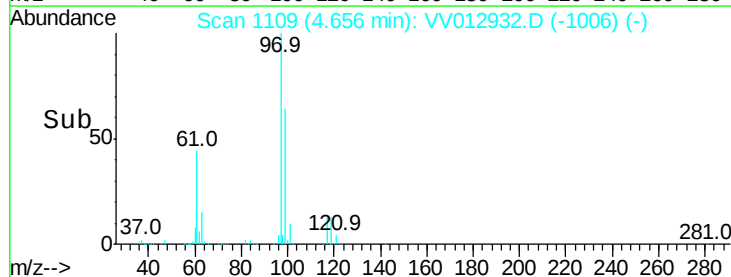
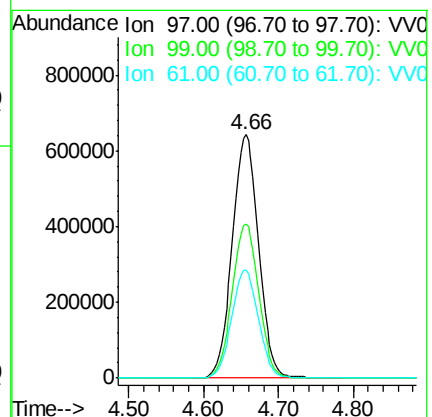
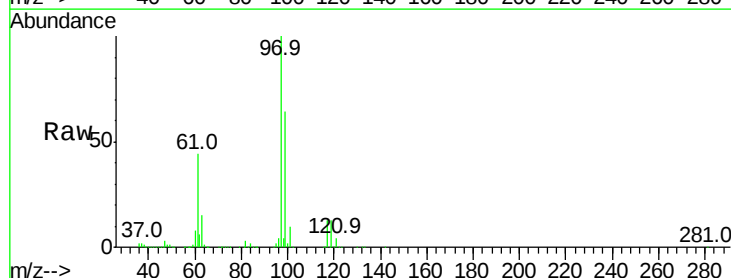
Tgt Ion: 97 Resp: 1572997

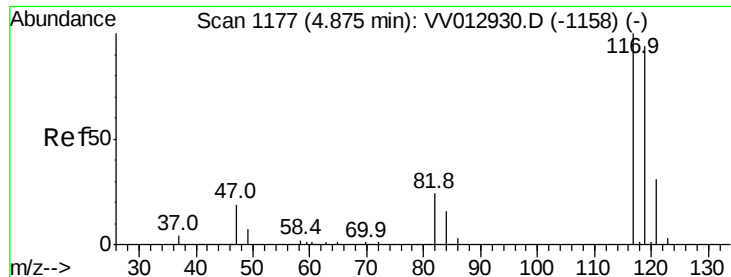
Ion Ratio Lower Upper

97 100

99 63.9 51.7 77.5

61 44.8 37.8 56.8



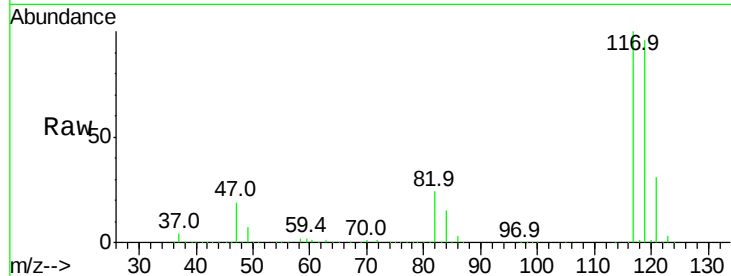


#32

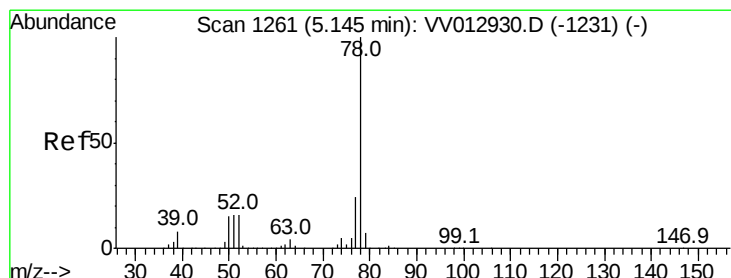
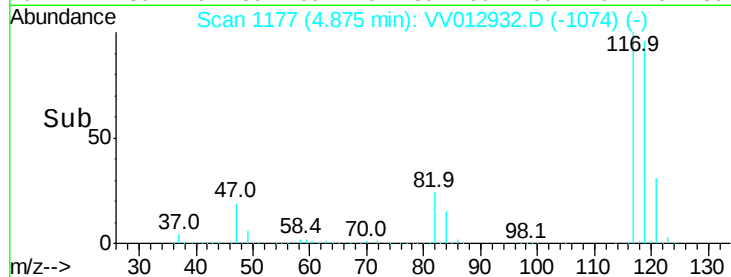
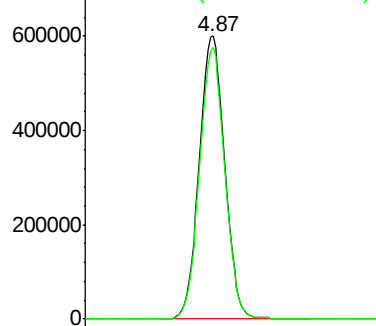
Carbon tetrachloride
Concen: 96.631 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV012932.D
Acq: 23 Sep 2019 11:55

Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

Tgt Ion:117 Resp: 1417302
Ion Ratio Lower Upper
117 100
119 95.2 76.0 114.0



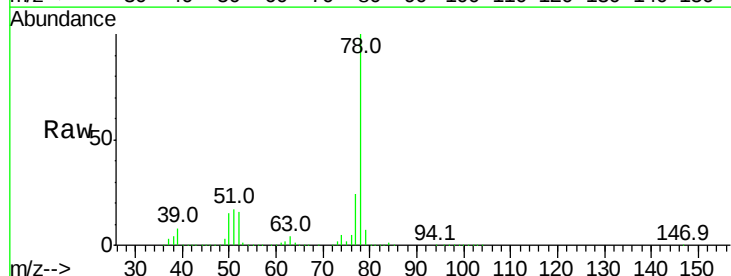
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V



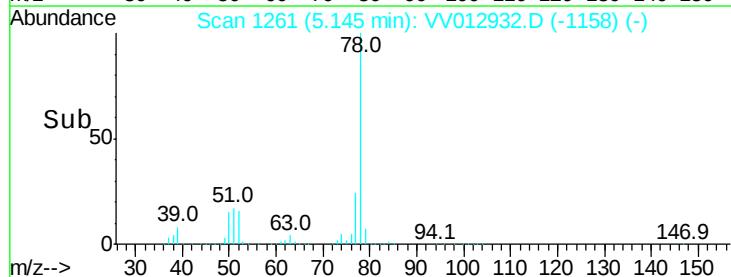
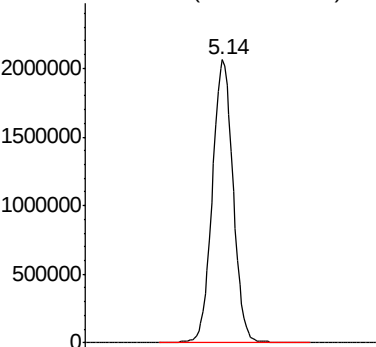
#34

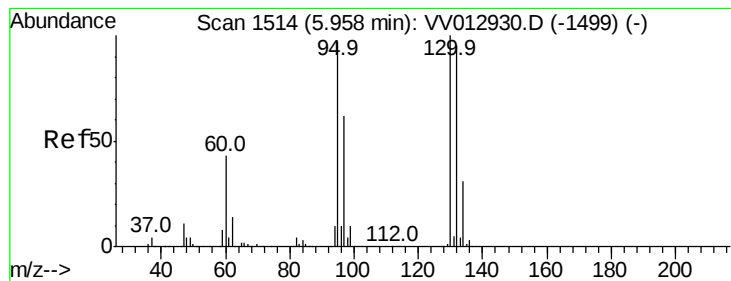
Benzene
Concen: 96.981 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV012932.D
Acq: 23 Sep 2019 11:55

Tgt Ion: 78 Resp: 4424404



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 95.306 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV012932.D

Acq: 23 Sep 2019 11:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

Tgt Ion: 95 Resp: 1182479

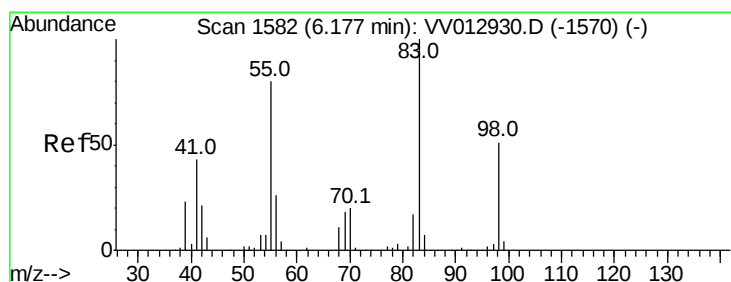
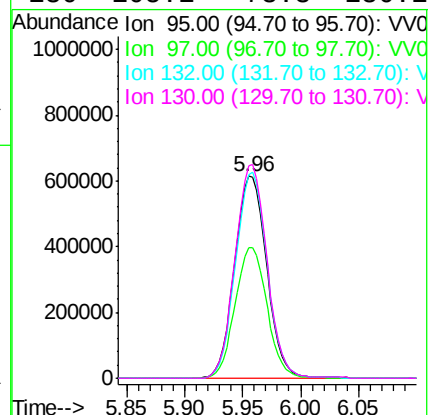
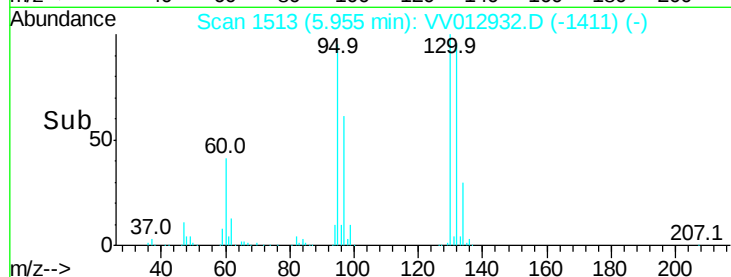
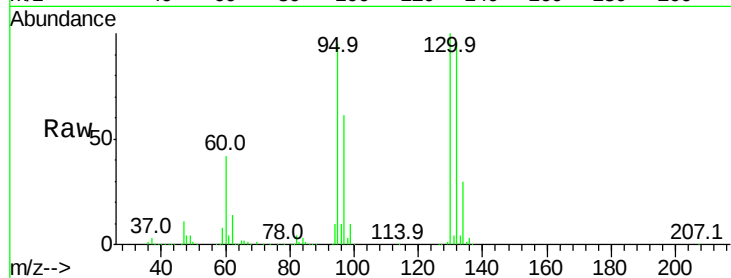
Ion Ratio Lower Upper

95 100

97 64.6 44.7 82.9

132 100.3 70.1 130.1

130 105.1 73.3 136.1



#36

Methylcyclohexane

Concen: 98.629 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV012932.D

Acq: 23 Sep 2019 11:55

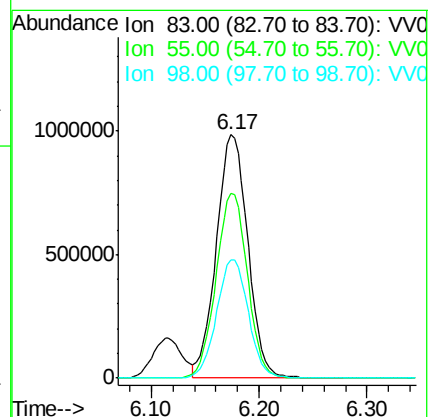
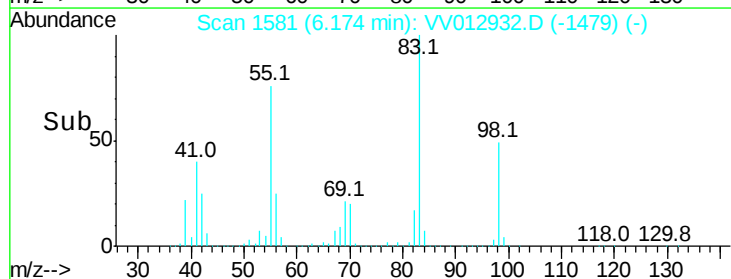
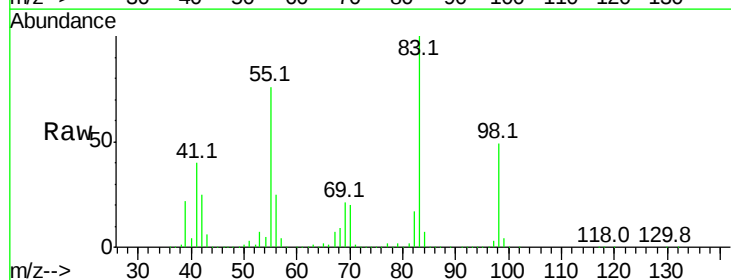
Tgt Ion: 83 Resp: 1993160

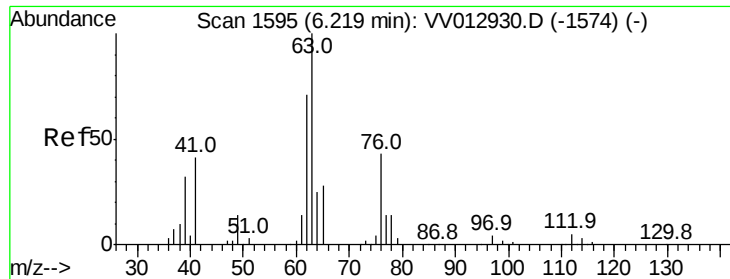
Ion Ratio Lower Upper

83 100

55 76.2 61.8 92.8

98 49.1 39.3 58.9

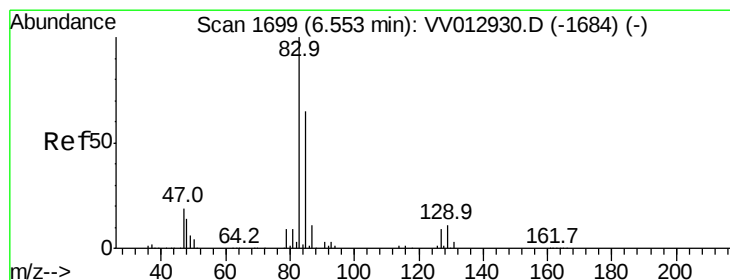
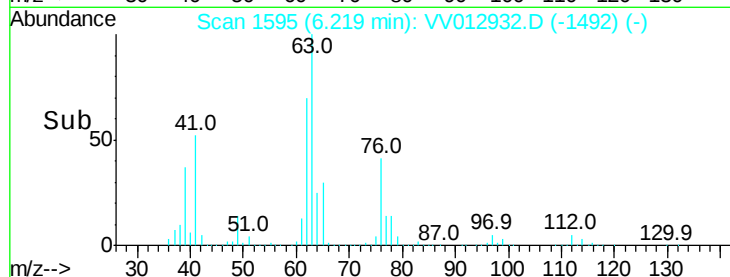
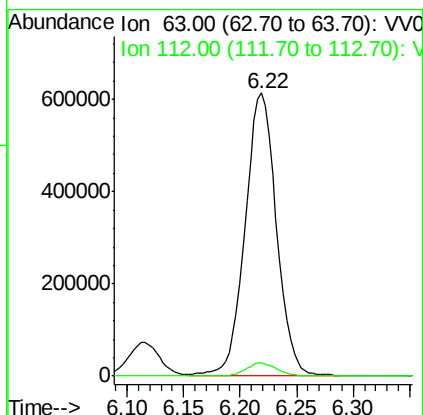
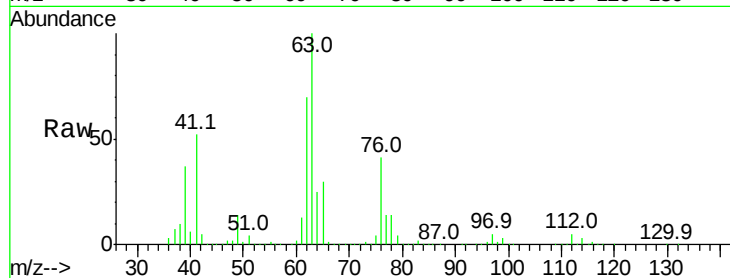




#40
 1,2-Dichloropropane
 Concen: 103.308 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV012932.D
 Acq: 23 Sep 2019 11:55

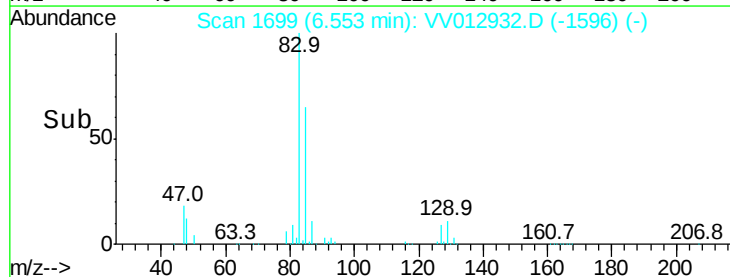
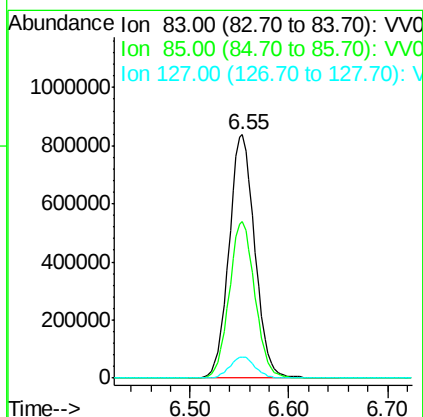
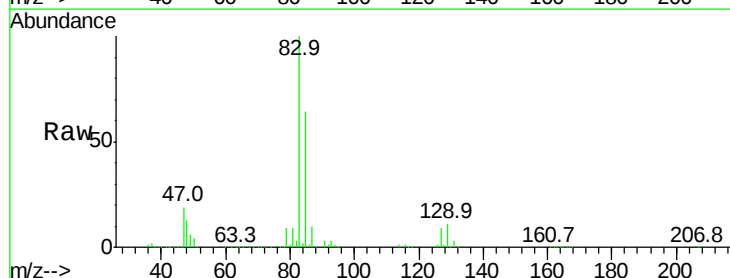
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

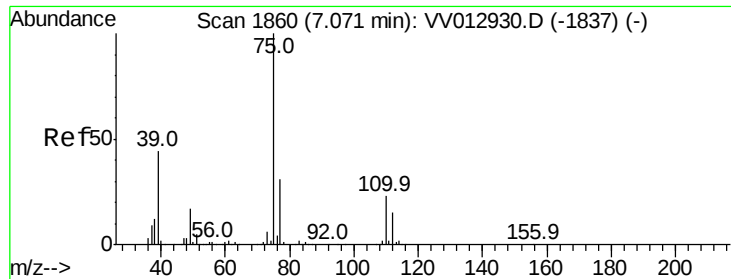
Tgt Ion: 63 Resp: 1175838
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.8 5.6



#41
 Bromodichloromethane
 Concen: 106.050 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV012932.D
 Acq: 23 Sep 2019 11:55

Tgt Ion: 83 Resp: 1527440
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.3 84.1
 127 8.8 7.2 10.8





#42

cis-1,3-Dichloropropene

Concen: 114.115 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VV012932.D

Acq: 23 Sep 2019 11:55

Instrument :

MSVOA_V

ClientSampleId :

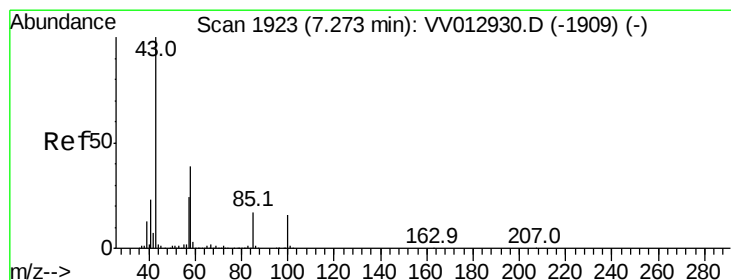
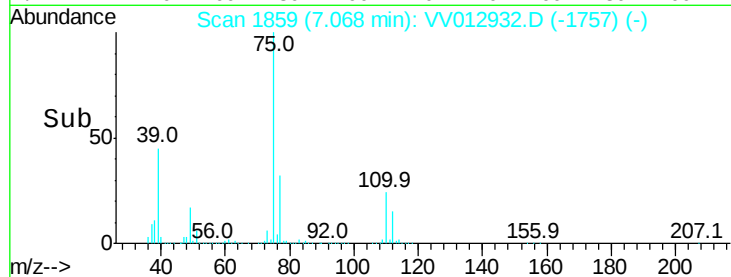
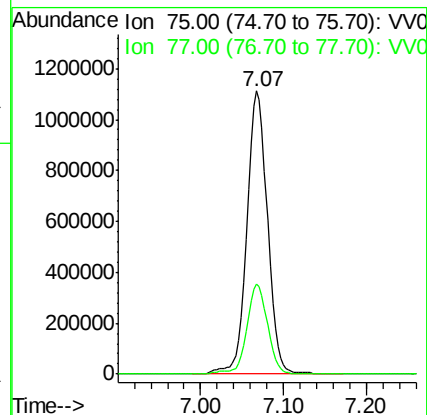
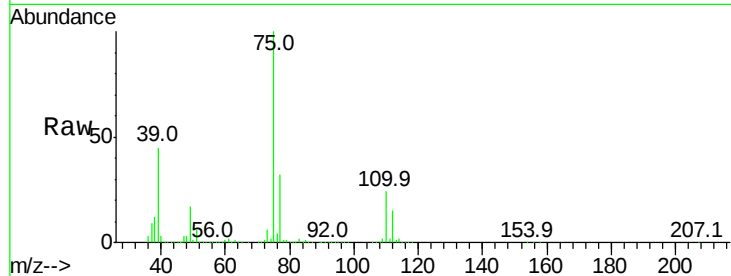
VSTD10065

Tgt Ion: 75 Resp: 1932942

Ion Ratio Lower Upper

75 100

77 31.7 21.5 39.9



#43

4-Methyl-2-pentanone

Concen: 231.435 ug/L

RT: 7.27 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VV012932.D

Acq: 23 Sep 2019 11:55

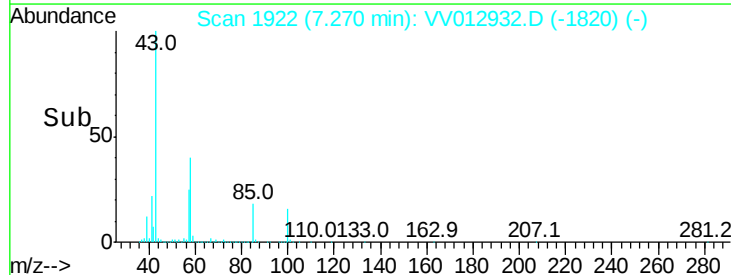
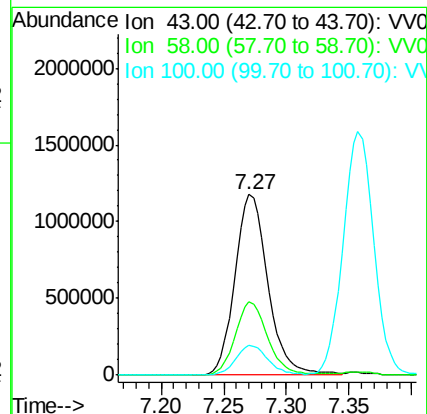
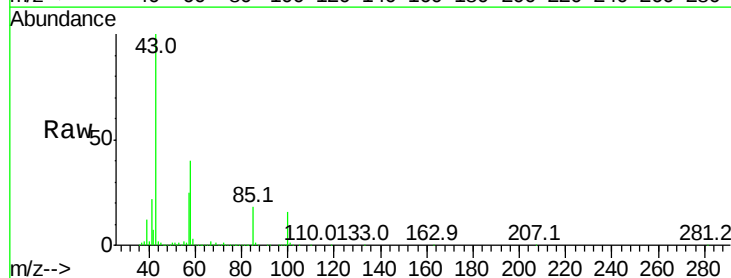
Tgt Ion: 43 Resp: 2151100

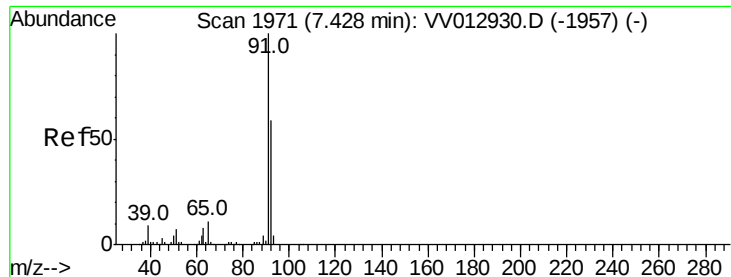
Ion Ratio Lower Upper

43 100

58 40.0 31.2 46.8

100 16.1 12.2 18.2





#44

Toluene

Concen: 100.135 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV012932.D

Acq: 23 Sep 2019 11:55

Instrument :

MSVOA_V

ClientSampleId :

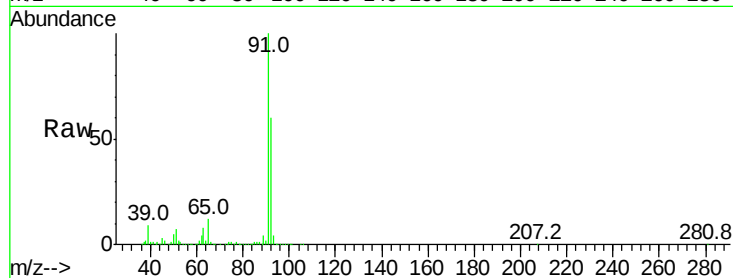
VSTD10065

Tgt Ion: 91 Resp: 4829375

Ion Ratio Lower Upper

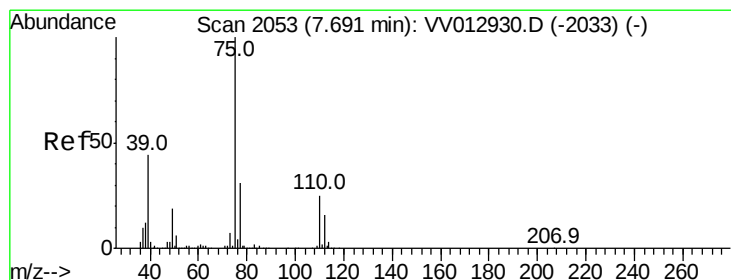
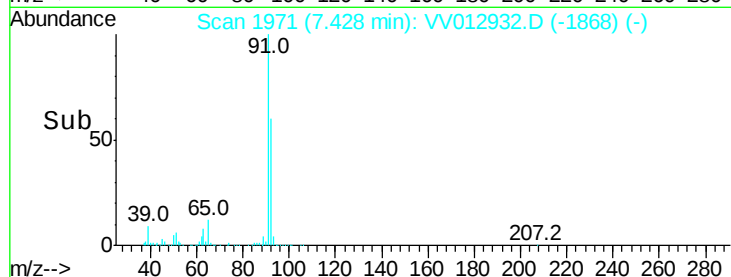
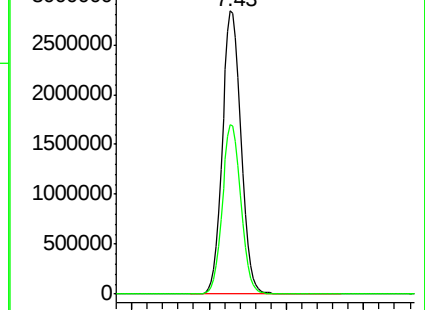
91 100

92 59.8 41.3 76.7



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#45

trans-1,3-Dichloropropene

Concen: 116.162 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV012932.D

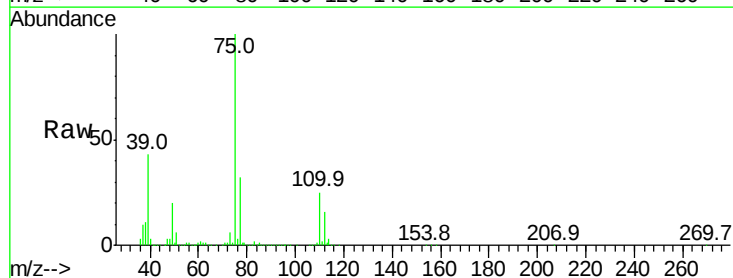
Acq: 23 Sep 2019 11:55

Tgt Ion: 75 Resp: 1619397

Ion Ratio Lower Upper

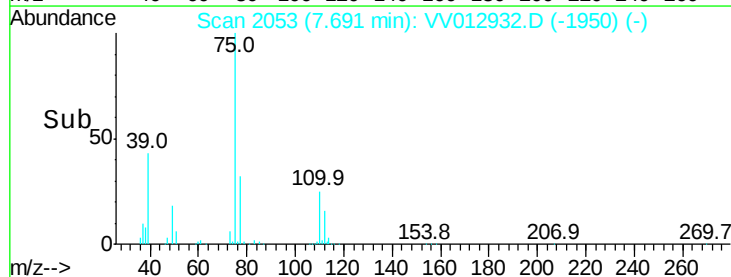
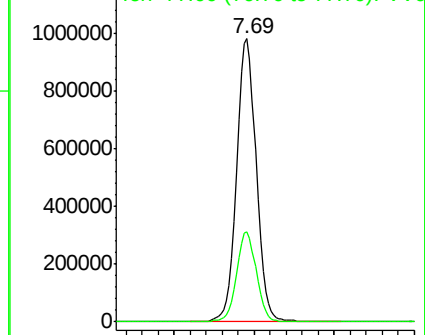
75 100

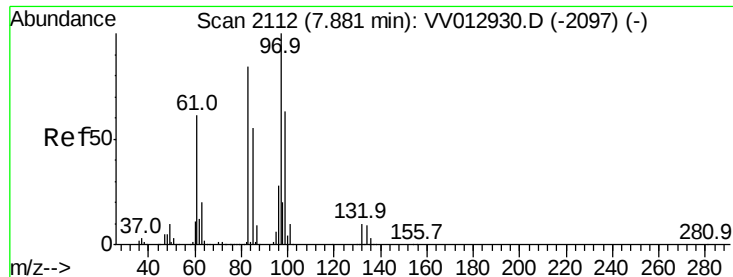
77 32.0 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

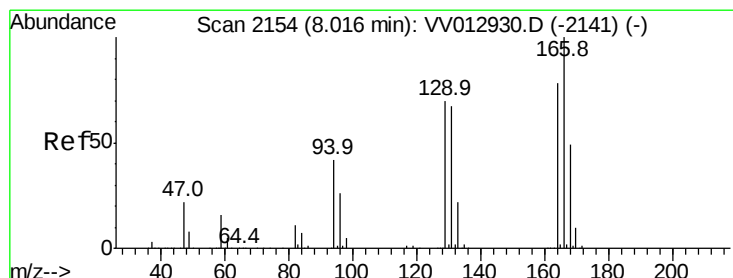
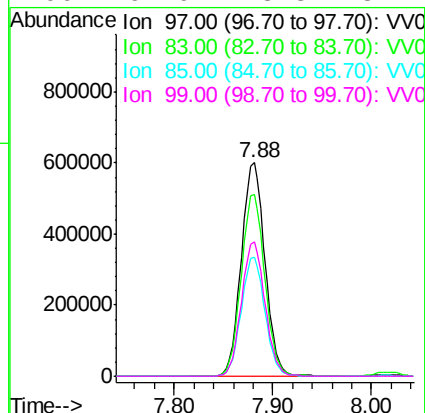
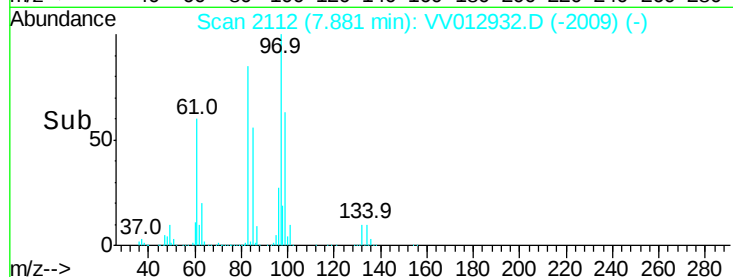
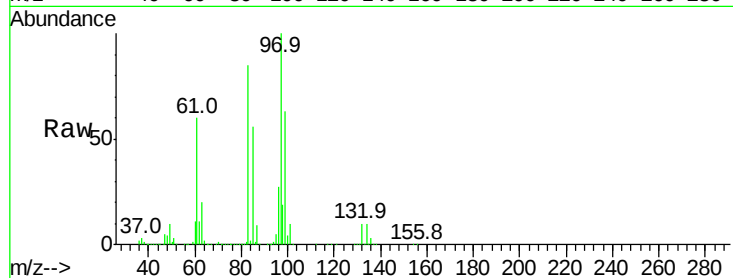




#46
 1,1,2-Trichloroethane
 Concen: 106.447 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV012932.D
 Acq: 23 Sep 2019 11:55

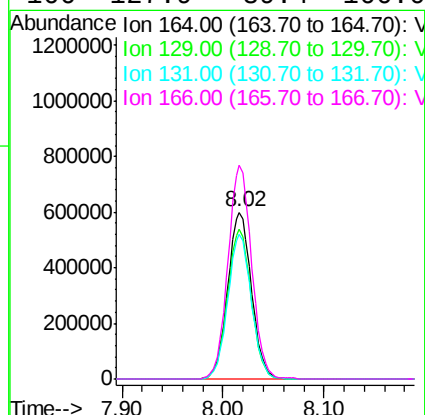
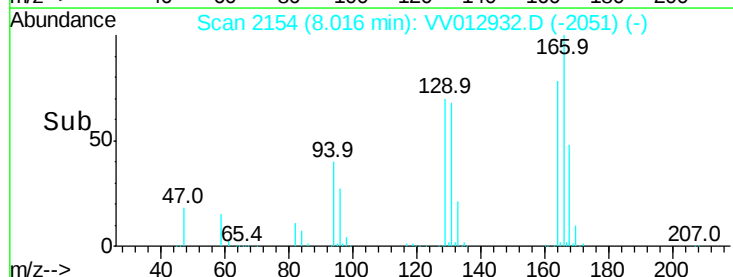
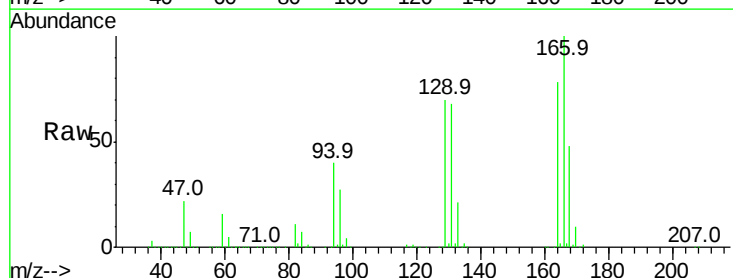
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

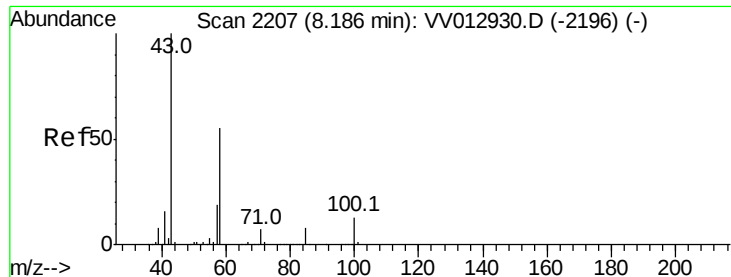
Tgt Ion:	97	Resp:	996762
Ion	Ratio	Lower	Upper
97	100		
83	85.2	58.9	109.5
85	55.7	38.4	71.2
99	62.9	43.8	81.4



#47
 Tetrachloroethene
 Concen: 97.349 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV012932.D
 Acq: 23 Sep 2019 11:55

Tgt Ion:	164	Resp:	985976
Ion	Ratio	Lower	Upper
164	100		
129	89.6	62.8	116.6
131	86.7	60.2	111.8
166	127.9	89.4	166.0





#49

2-Hexanone

Concen: 223.150 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. -0.00 min

Lab File: VV012932.D

Acq: 23 Sep 2019 11:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

Tgt Ion: 43 Resp: 1685964

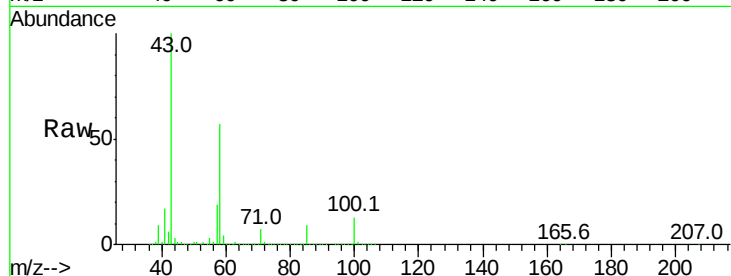
Ion Ratio Lower Upper

43 100

58 56.3 46.5 69.7

57 18.8 15.5 23.3

100 12.6 9.7 14.5

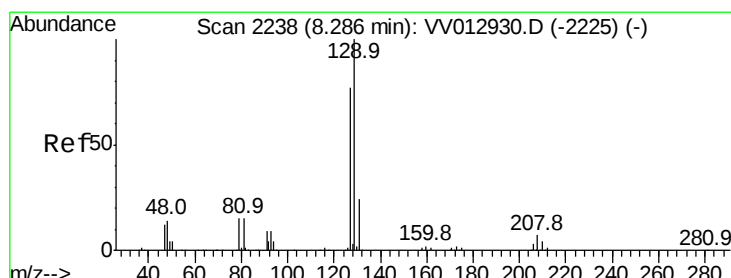
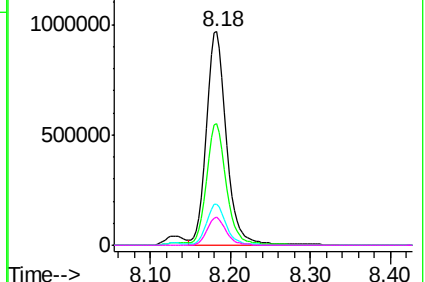
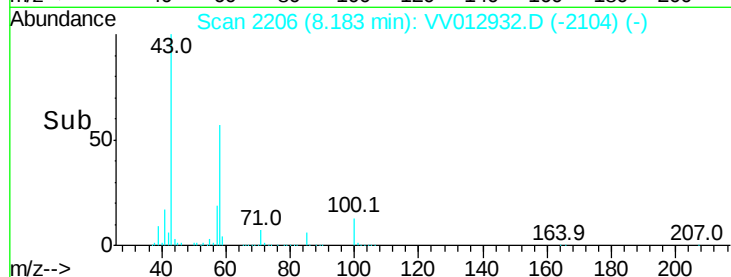


Abundance Ion 43.00 (42.70 to 43.70): VV012932.D (-2196) (-)

Ion 58.00 (57.70 to 58.70): VV012932.D (-2196) (-)

Ion 57.00 (56.70 to 57.70): VV012932.D (-2196) (-)

Ion 100.00 (99.70 to 100.70): VV012932.D (-2196) (-)



#50

Dibromochloromethane

Concen: 113.198 ug/L

RT: 8.29 min Scan# 2238

Delta R.T. 0.00 min

Lab File: VV012932.D

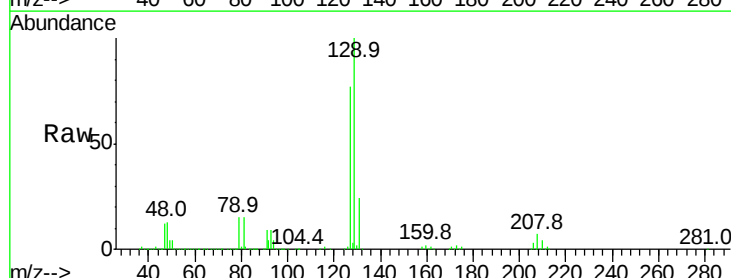
Acq: 23 Sep 2019 11:55

Tgt Ion: 129 Resp: 1201954

Ion Ratio Lower Upper

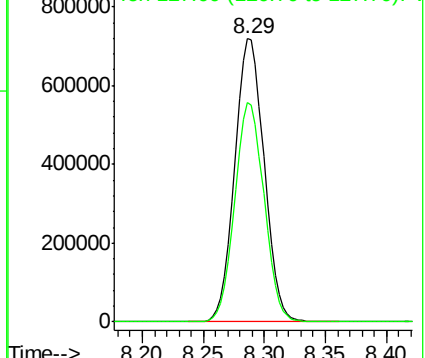
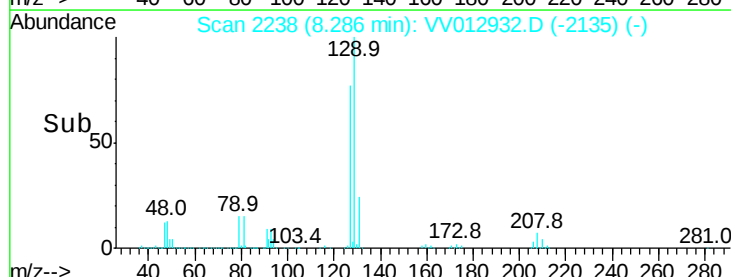
129 100

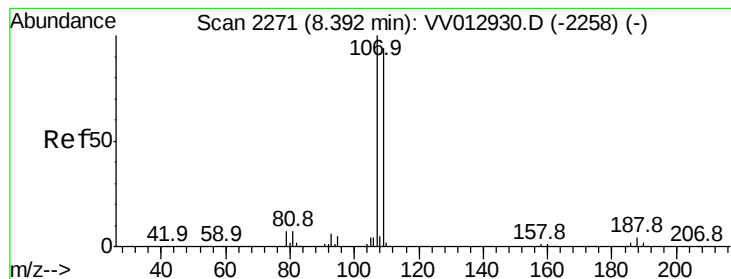
127 77.4 53.7 99.7



Abundance Ion 129.00 (128.70 to 129.70): VV012932.D (-2135) (-)

Ion 127.00 (126.70 to 127.70): VV012932.D (-2135) (-)





#51

1,2-Dibromoethane

Concen: 111.332 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VV012932.D

Acq: 23 Sep 2019 11:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

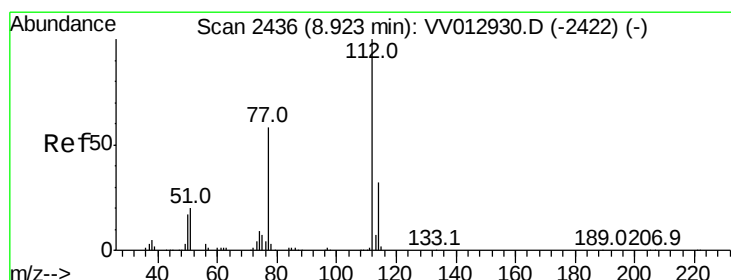
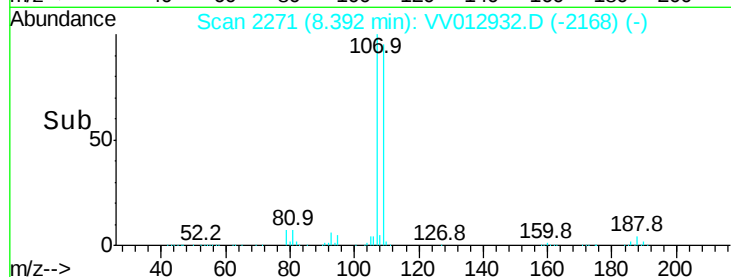
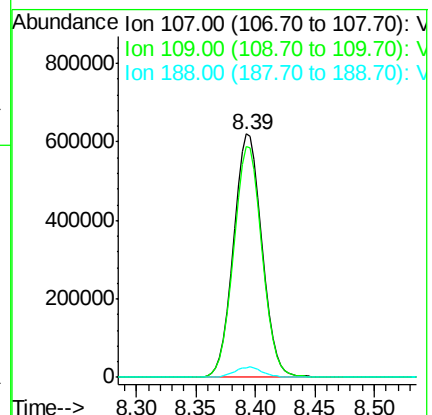
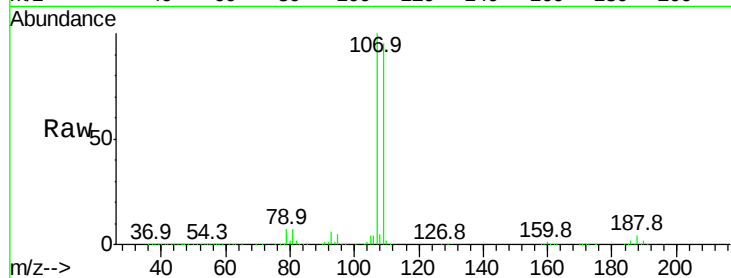
Tgt Ion:107 Resp: 1027432

Ion Ratio Lower Upper

107 100

109 95.0 66.1 122.8

188 4.1 3.1 4.7



#52

Chlorobenzene

Concen: 100.191 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV012932.D

Acq: 23 Sep 2019 11:55

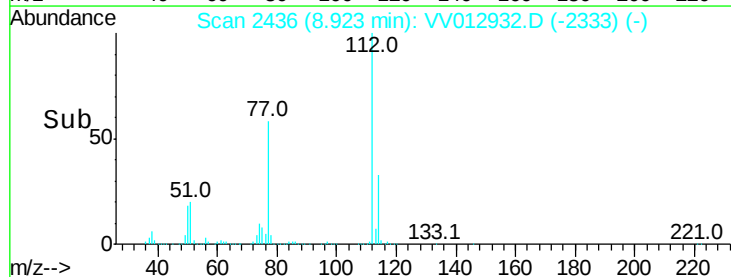
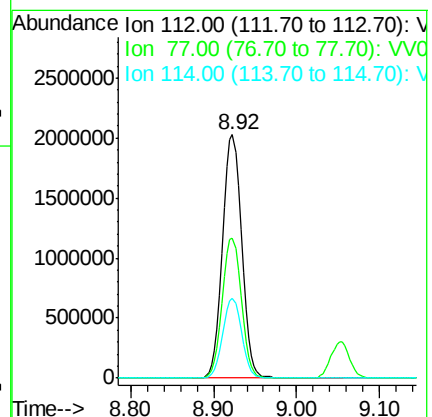
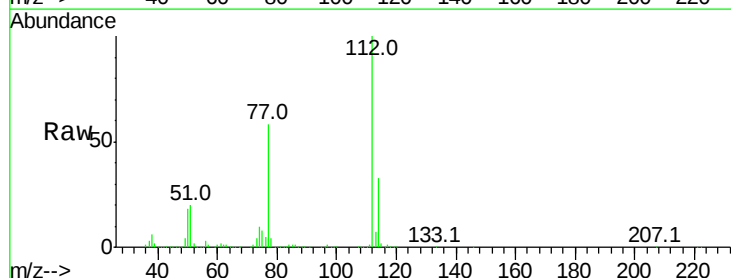
Tgt Ion:112 Resp: 3233565

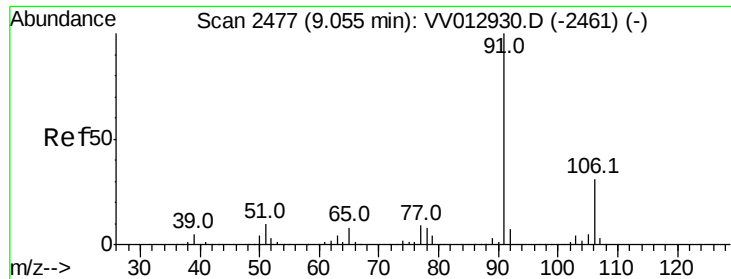
Ion Ratio Lower Upper

112 100

77 57.6 46.3 69.5

114 32.8 22.5 41.7

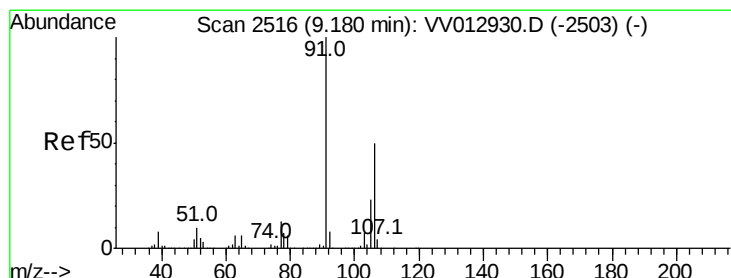
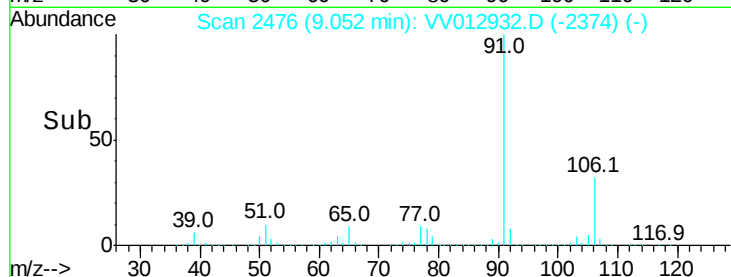
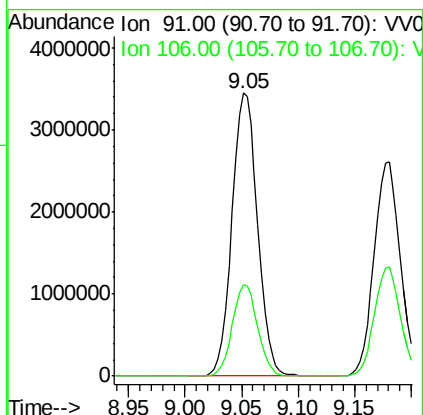
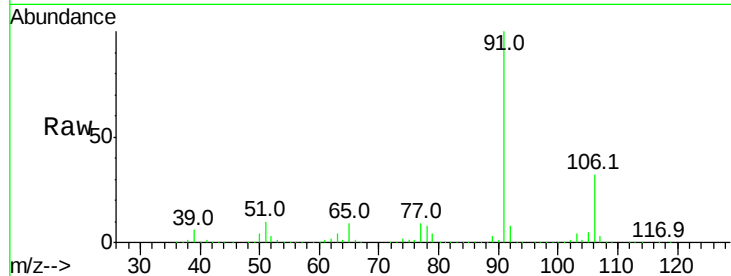




#53
Ethylbenzene
Concen: 101.362 ug/L
RT: 9.05 min Scan# 2476
Delta R.T. -0.00 min
Lab File: VV012932.D
Acq: 23 Sep 2019 11:55

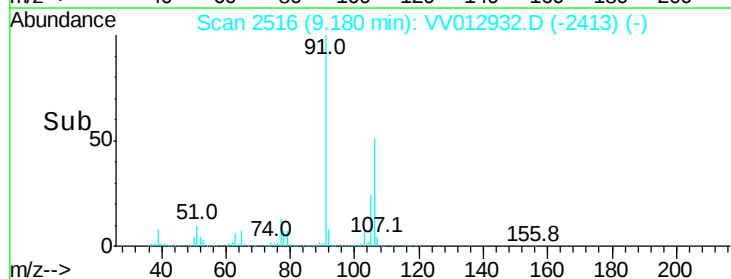
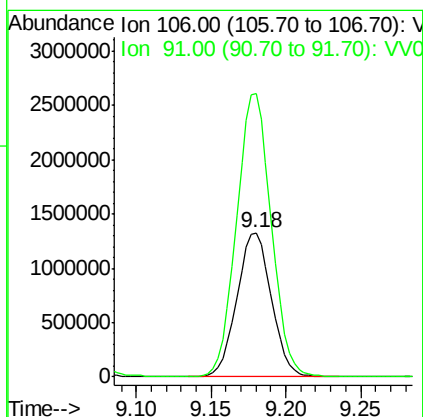
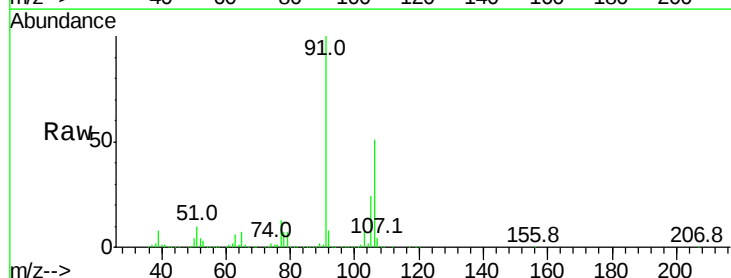
Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

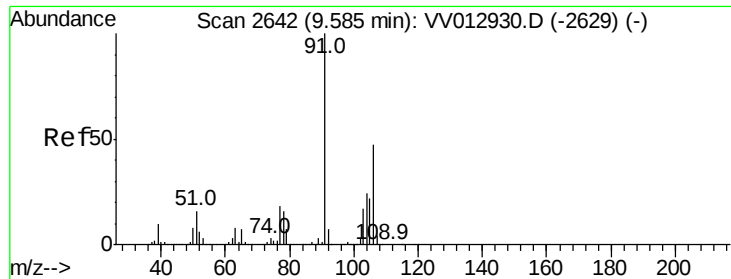
Tgt Ion: 91 Resp: 5423165
Ion Ratio Lower Upper
91 100
106 32.2 21.8 40.4



#54
m,p-Xylene
Concen: 104.998 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV012932.D
Acq: 23 Sep 2019 11:55

Tgt Ion: 106 Resp: 2124585
Ion Ratio Lower Upper
106 100
91 196.1 140.1 260.3





#55

o-xylene

Concen: 109.367 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012932.D

Acq: 23 Sep 2019 11:55

Instrument :

MSVOA_V

ClientSampleId :

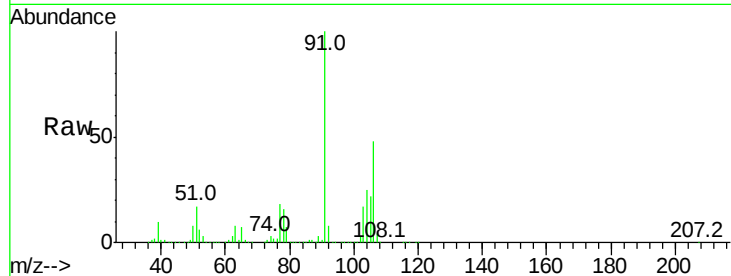
VSTD10065

Tgt Ion:106 Resp: 2085394

Ion Ratio Lower Upper

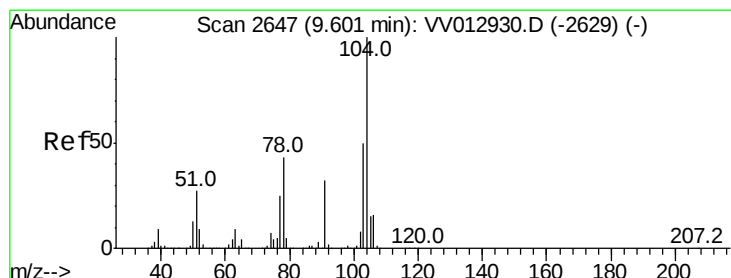
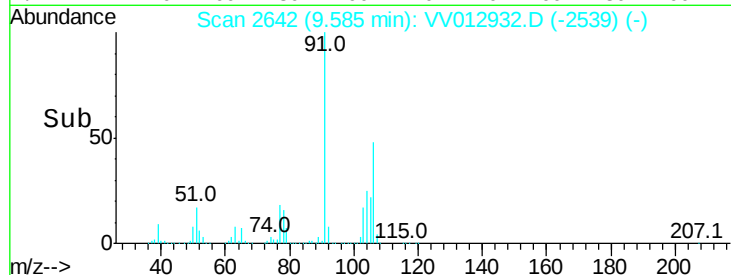
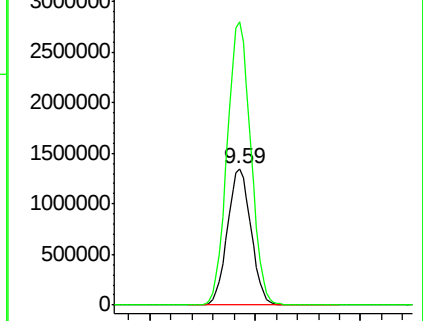
106 100

91 206.9 148.8 276.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 110.806 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV012932.D

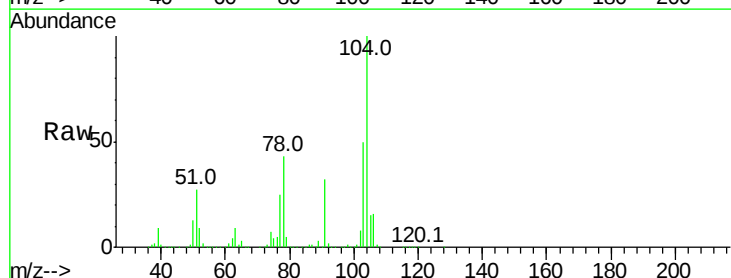
Acq: 23 Sep 2019 11:55

Tgt Ion:104 Resp: 3661875

Ion Ratio Lower Upper

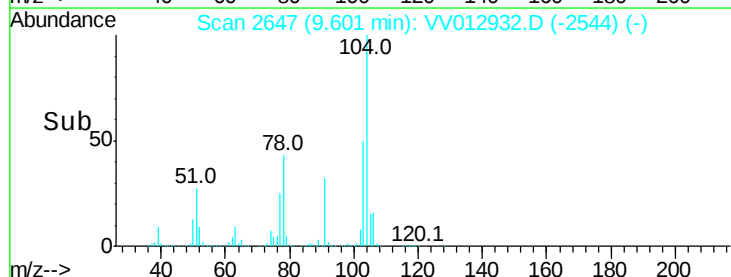
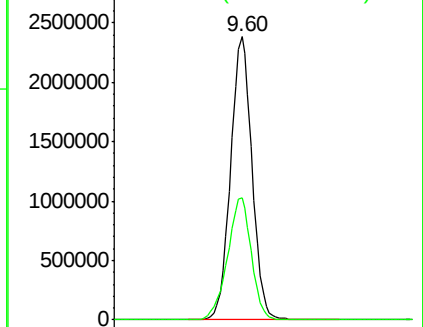
104 100

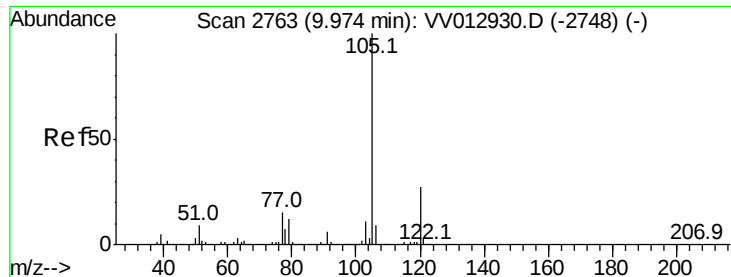
78 43.1 29.8 55.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 104.701 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV012932.D

Acq: 23 Sep 2019 11:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

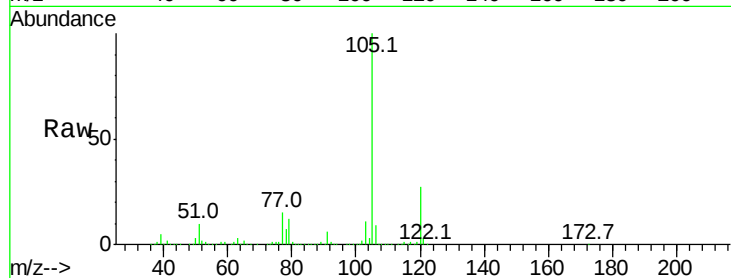
Tgt Ion:105 Resp: 5330163

Ion Ratio Lower Upper

105 100

120 27.2 21.4 32.0

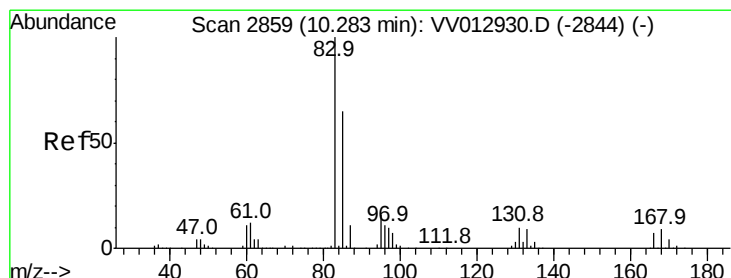
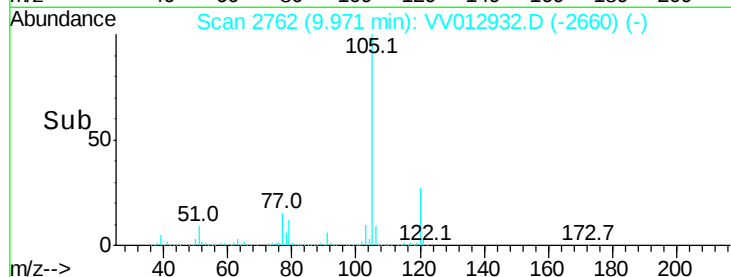
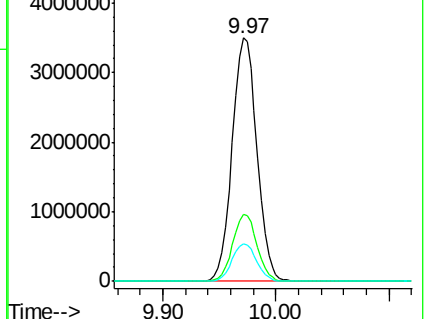
77 15.4 12.2 18.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 110.503 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV012932.D

Acq: 23 Sep 2019 11:55

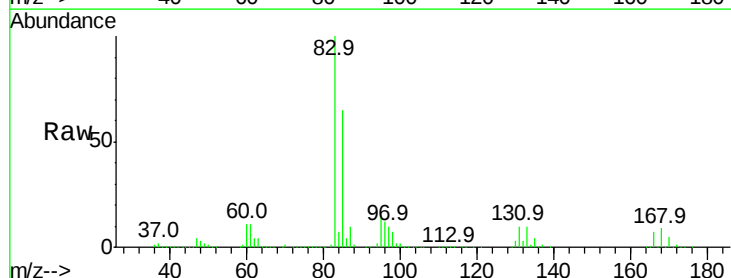
Tgt Ion: 83 Resp: 1309101

Ion Ratio Lower Upper

83 100

85 64.6 45.4 84.2

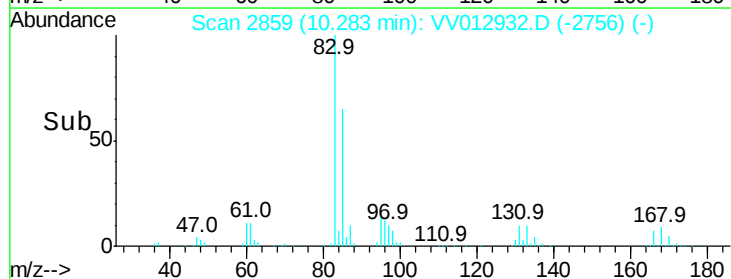
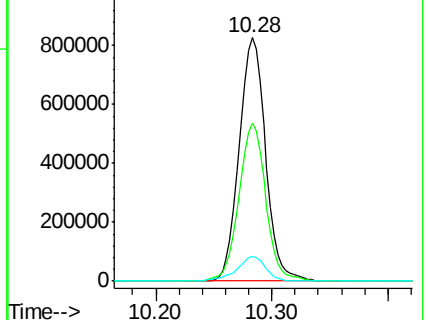
131 10.1 8.2 12.2

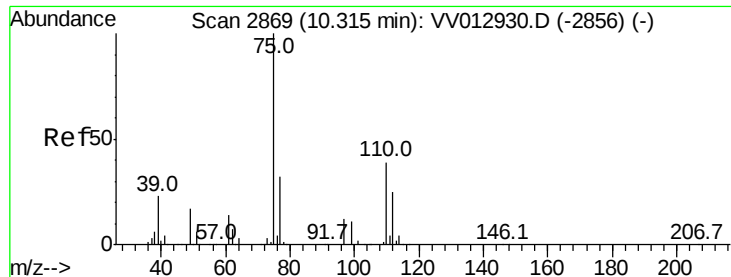


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 108.132 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV012932.D

Acq: 23 Sep 2019 11:55

Instrument :

MSVOA_V

ClientSampleId :

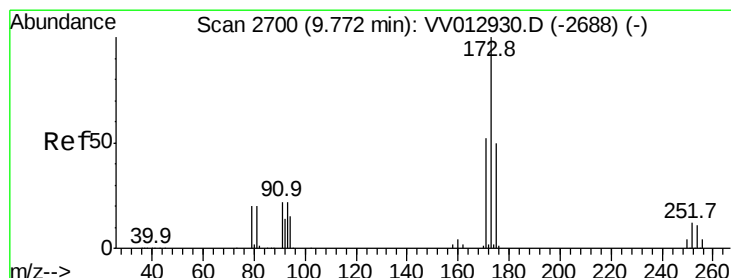
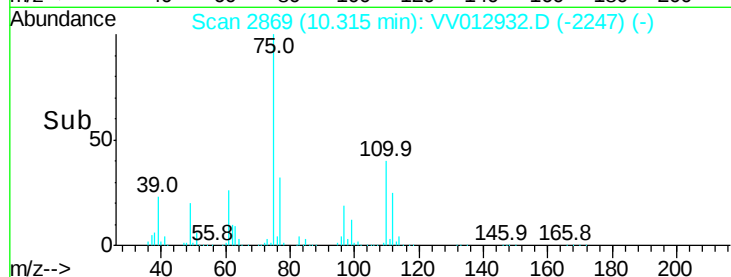
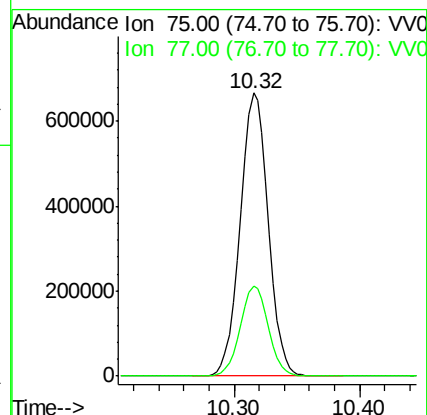
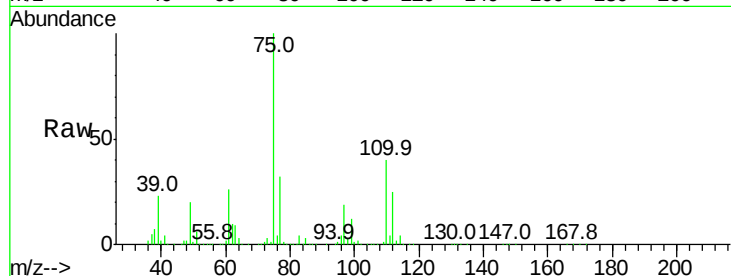
VSTD10065

Tgt Ion: 75 Resp: 1033376

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0



#62

Bromoform

Concen: 116.435 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV012932.D

Acq: 23 Sep 2019 11:55

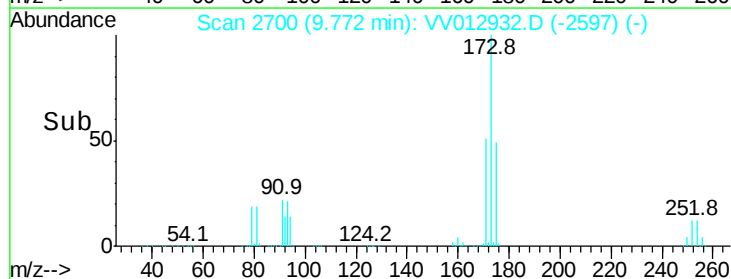
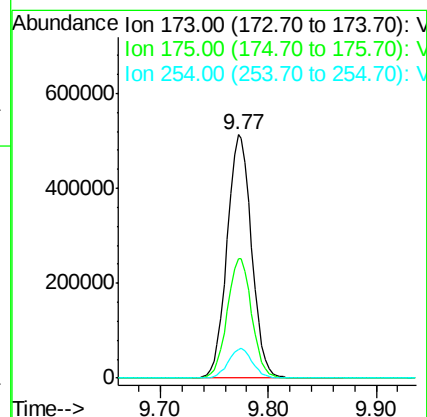
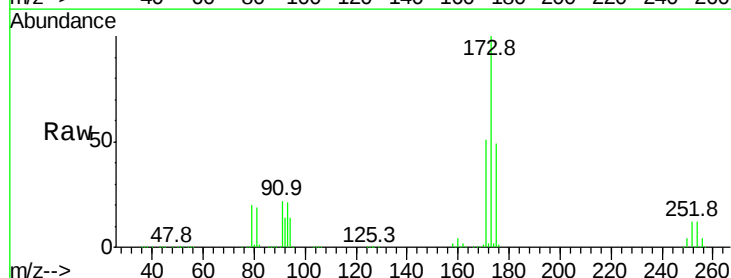
Tgt Ion: 173 Resp: 809561

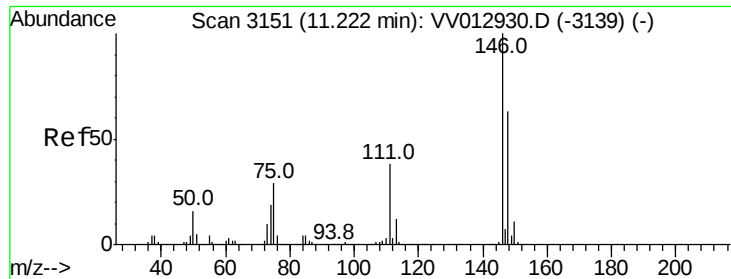
Ion Ratio Lower Upper

173 100

175 49.1 39.5 59.3

254 11.9 9.1 13.7

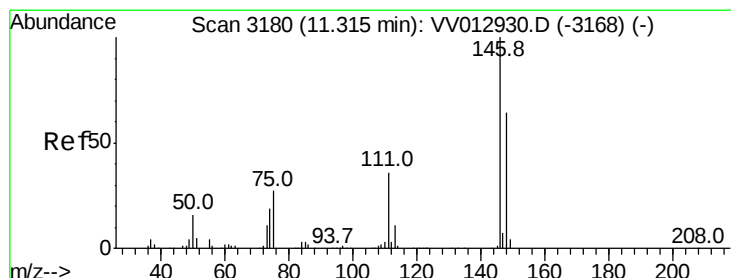
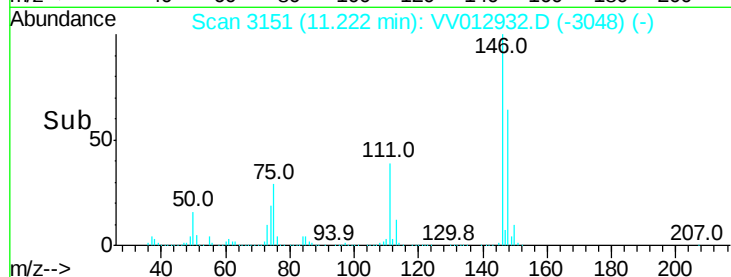
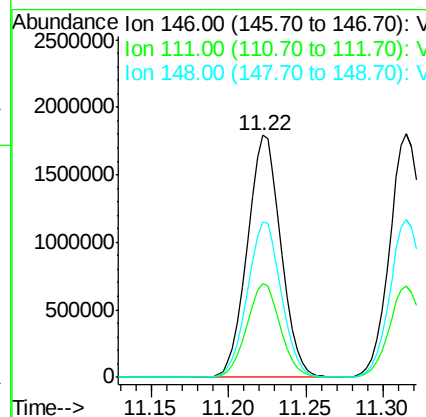
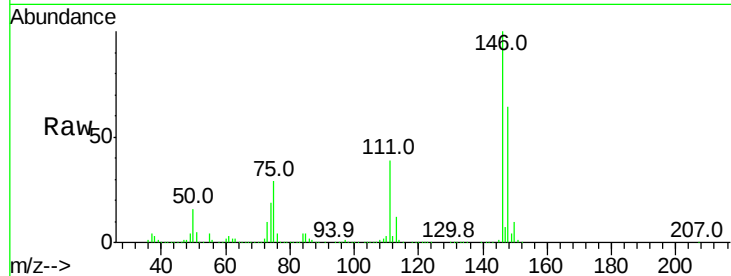




#63
 1,3-Dichlorobenzene
 Concen: 100.691 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV012932.D
 Acq: 23 Sep 2019 11:55

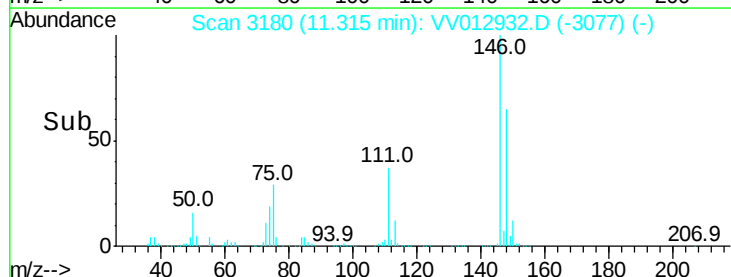
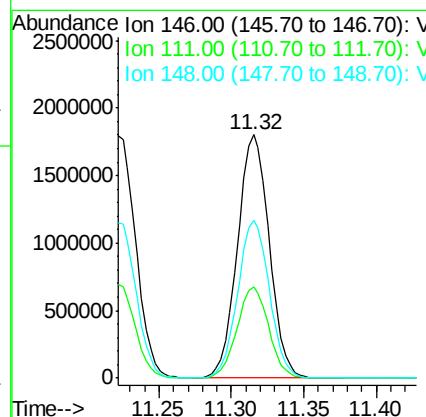
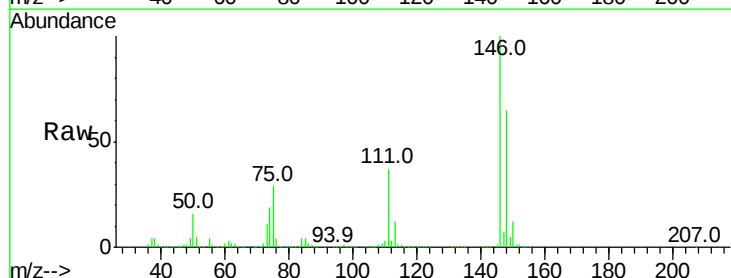
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

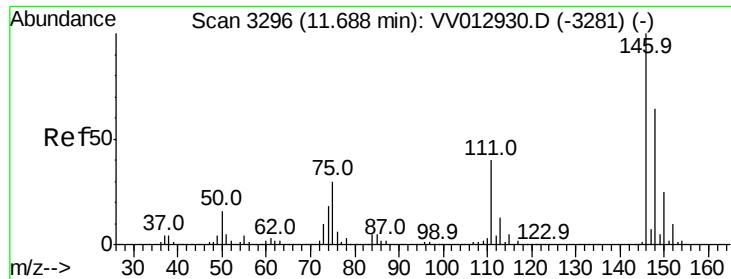
Tgt Ion:146 Resp: 2712531
 Ion Ratio Lower Upper
 146 100
 111 39.0 26.7 49.7
 148 64.4 43.9 81.5



#64
 1,4-Dichlorobenzene
 Concen: 97.639 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV012932.D
 Acq: 23 Sep 2019 11:55

Tgt Ion:146 Resp: 2732221
 Ion Ratio Lower Upper
 146 100
 111 37.4 25.5 47.3
 148 64.7 45.1 83.9





#65

1,2-Dichlorobenzene

Concen: 102.468 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012932.D

Acq: 23 Sep 2019 11:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

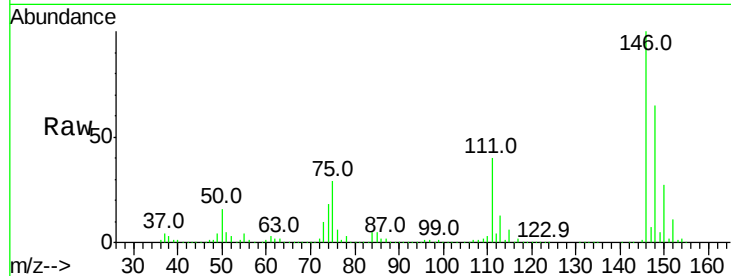
Tgt Ion:146 Resp: 2594598

Ion Ratio Lower Upper

146 100

111 40.1 31.9 47.9

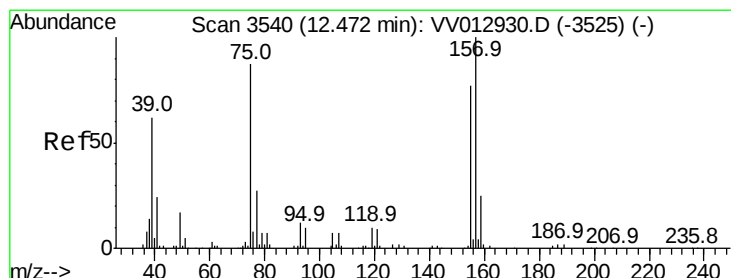
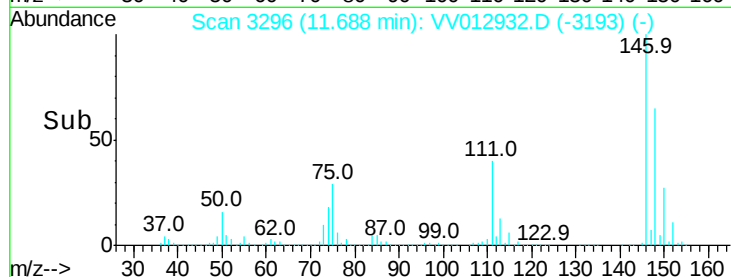
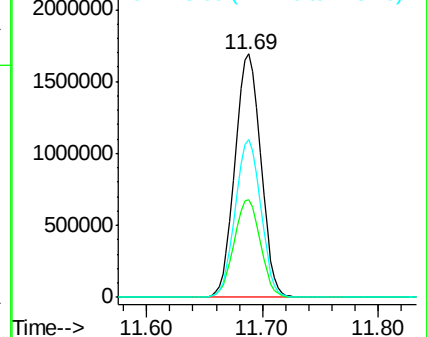
148 64.7 51.0 76.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 111.893 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV012932.D

Acq: 23 Sep 2019 11:55

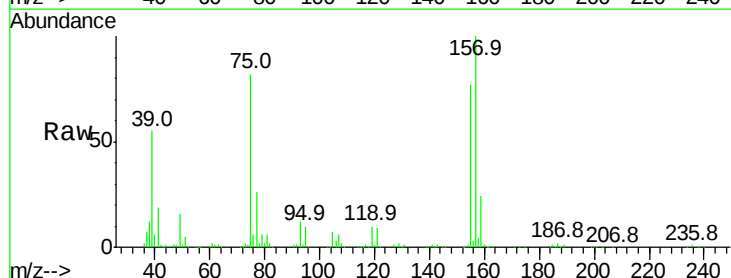
Tgt Ion: 75 Resp: 244007

Ion Ratio Lower Upper

75 100

157 121.4 91.7 137.5

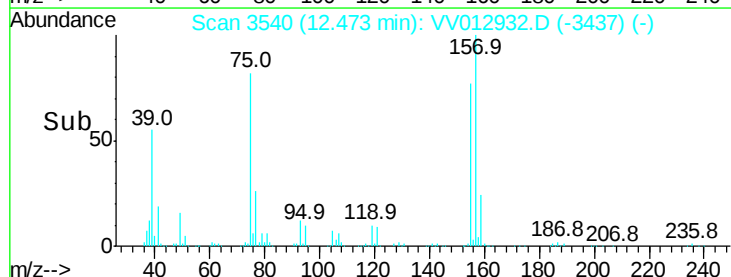
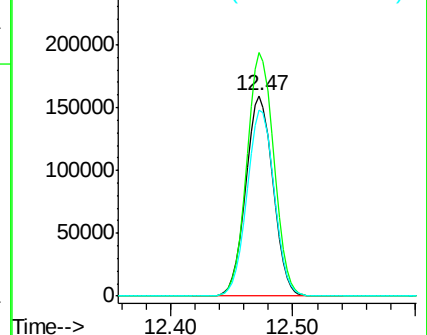
155 92.9 70.8 106.2

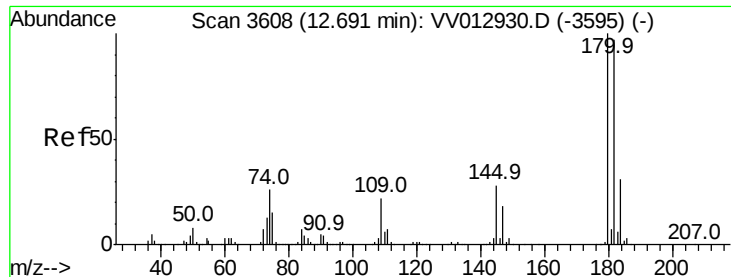


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

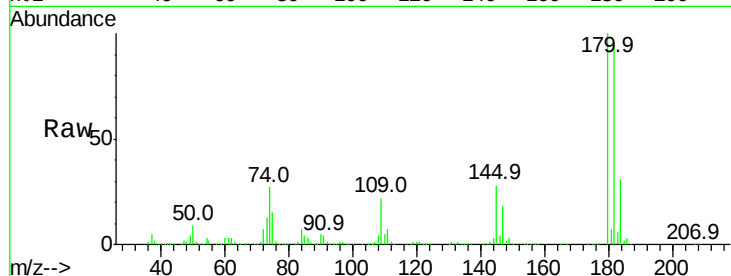




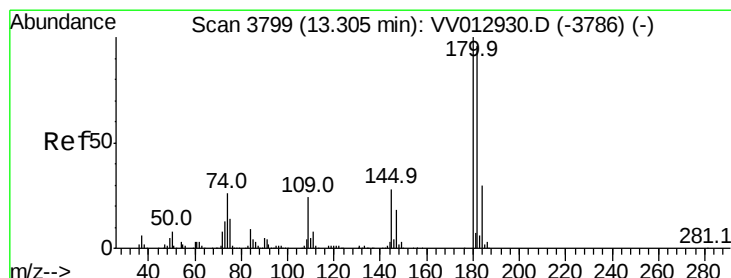
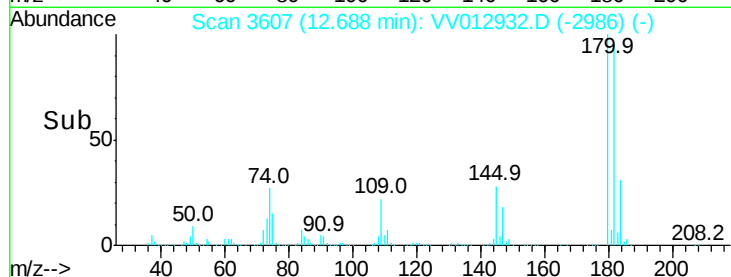
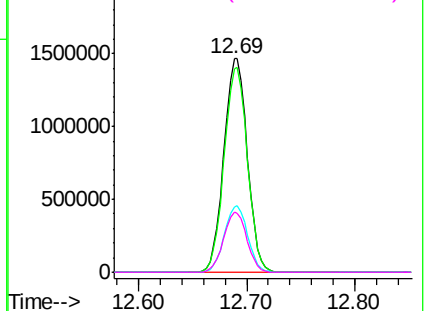
#67
 1,3,5-Trichlorobenzene
 Concen: 103.555 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV012932.D
 Acq: 23 Sep 2019 11:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

Tgt Ion:180 Resp: 2213733
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.4 114.6
 184 31.0 24.6 37.0
 145 27.9 22.2 33.4

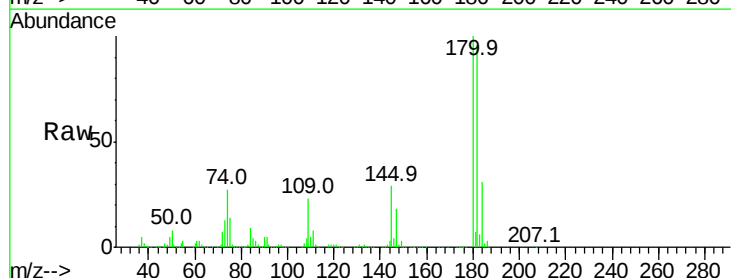


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

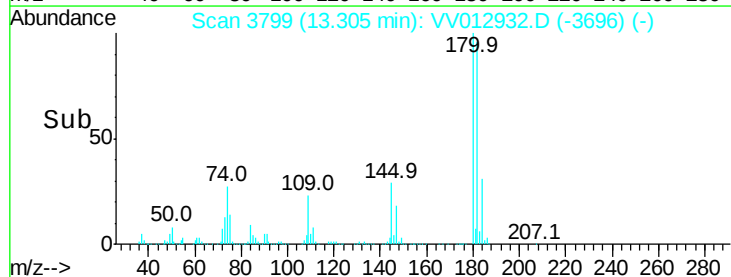
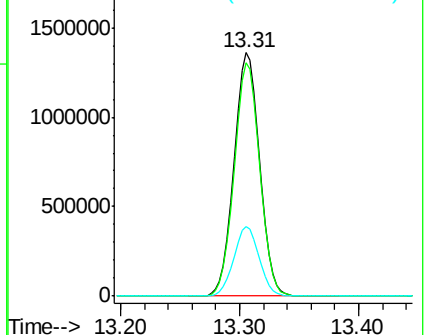


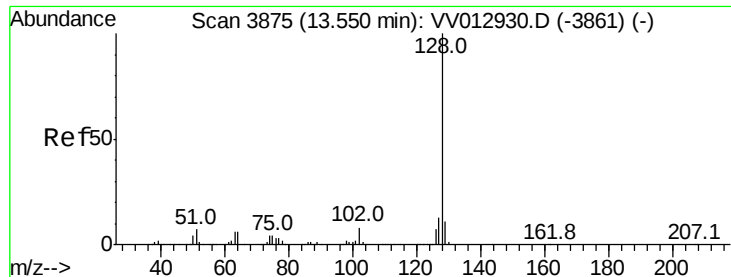
#68
 1,2,4-trichlorobenzene
 Concen: 109.139 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV012932.D
 Acq: 23 Sep 2019 11:55

Tgt Ion:180 Resp: 2023777
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.8 115.2
 145 28.4 22.6 34.0



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 119.966 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV012932.D

Acq: 23 Sep 2019 11:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

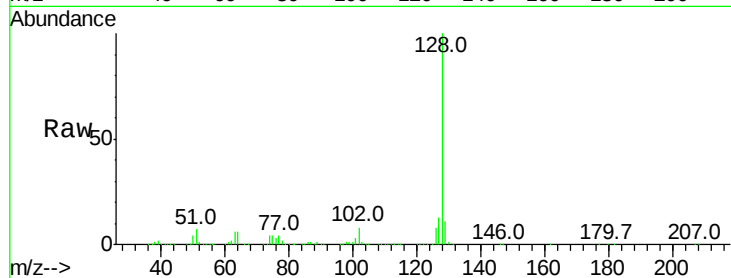
Tgt Ion:128 Resp: 4502645

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

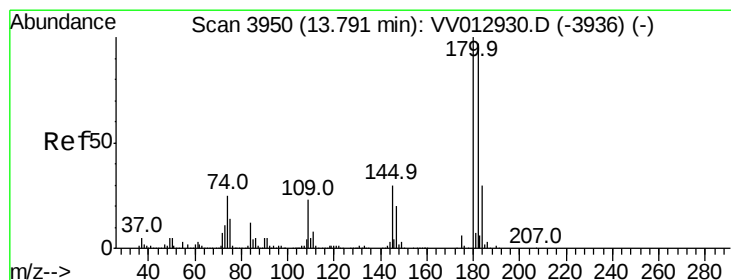
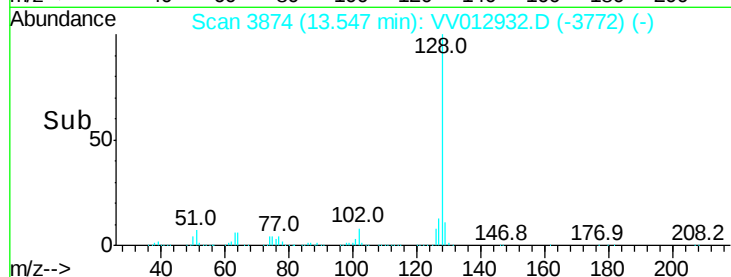
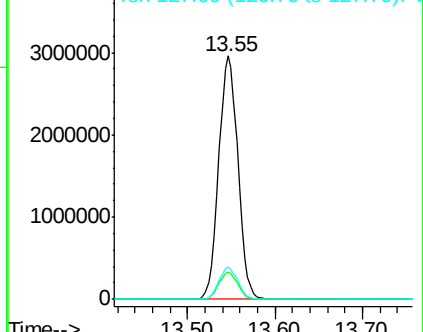
127 13.1 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 106.711 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012932.D

Acq: 23 Sep 2019 11:55

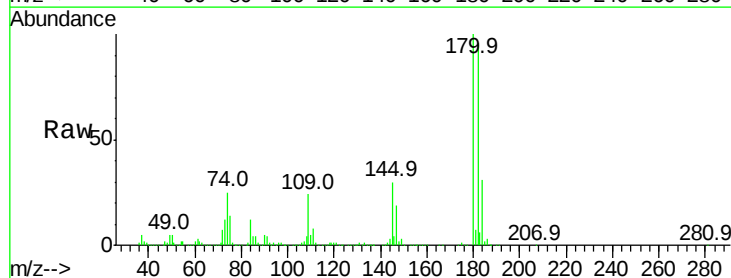
Tgt Ion:180 Resp: 1923969

Ion Ratio Lower Upper

180 100

182 95.3 77.4 116.2

145 30.2 23.9 35.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

